In a Main Entry in the Author Index, in brackets [ ] following the title, are listed references to information in the article not named in or implied by the title. All references in the Subject Index are to this Main Entry so that a person looking up any one reference to an article is led at once to all the indexed information.

Words in parentheses ( ) distinguish between articles written by the same author.

INDEX TO VOLUME 39-A

(American Volume)

1957

AUTHORS

A

PAGE

Abrams, Robert C. Meniscus Lesions of the Knee in Young Children 194

Affeldt, John E. *See* **Nickel, Vernon L.**

Alkalaj, Isidor. *See* **Makin, Myer.**

Allen, Albert R., and **Stevenson, Andrey W.** The Results of Combined Drug Therapy and Early Fusion in Bone Tuberculosis 32

Anderson, Kirk J., and **LeCocq, John F.** Rupture of the Triceps Tendon 444

Anderson, Margaret. *See* **Green, William T.**

Ardan, Nicholas I., Jr.; Janes, Joseph M.; and **Herrick, J. F.** Ultrasonic Energy and Surgically Produced Defects in Bone. [Bone Healing.] [Fractures following Ultrasound.] [Osteogenesis.] [Cortical Necrosis.] [Medullary Fibrosis.] 394

Arnold, William D. *See* **Thompson, T. Campbell.**

Arzimanoglu, Anthony. Bilateral Arborescent Lipoma of the Knee. A Case Report 976

Aufranc, Otto E. Constructive Hip Surgery with the Vitallium Mold. A Report on 1,000 Cases of Arthroplasty of the Hip over a Fifteen-Year Period. [Thrombophlebitis.] 237

B

Barber, John R.; Coventry, Mark B.; and **McDonald, John R.** The Spread of Soft-Tissue Sarcomata of the Extremities along Peripheral-Nerve Trunks. [Neuritis.] 534

Basmajian, J. V., and **Latif, A.** Integrated Actions and Functions of the Chief Flexors of the Elbow. A Detailed Electromyographic Analysis 1106

Bauermeister, Armin. *See* **Maatz, Richard.**

Bechtol, Robert C. *See* **Lidge, Ralph T.**

Beiler, David D. *See* **Love, Willard H.**

Bell, John F. *See* **Kuhlmann, Raymond F.**

Bernstein, Maurice A. Ewing's Sarcoma. A Case Report 216

Bersani, Frank A., and **Samilson, Robert L.** Massive Familial Tarsal Synostosis 1187

Bickel, William H., and **Romness, Joseph O.** True Diastasis of the Sacro-Iliac Joints with Hypermobility 1381

Blair, Charles R. *See* **West, J. P.**

Blair, John D., and **Wells, Paul O.** Bilateral Undescended Scapula Associated with Omovertebral Bone. Report of a Case 196

Blumel, Johanna; Eggers, G. W. N.; and **Evans, E. Burke.** Eight Cases of Hereditary Bilateral Medial Tibial Torsion in Four Generations 1198

Booher, Robert J. Aneurysmal Bone Cyst of a Metatarsal. A Case Report 435

Bosworth, David M. President's Address [The American Orthopaedic Association.] 1420

Boylston, Bedford F. Oblique Roentgenographic Views of the Cervical Spine in Flexion and Extension. An Aid in the Diagnosis of Cervical Subluxation and Obscure Dislocations 1302

Brav, Ernest A. Further Evaluation of the Use of Intramedullary Nailing in the Treatment of Gunshot Fractures of the Extremities. [Chronic Infection.] 513

Brav, Ernest A.; Spittler, August W.; Luscombe, Harold B.; Kuitert, John H.; Macdonald, William F.; Vultee, Frederick E., Jr.; Woodard, George H.; Fletcher, Maurice J.; and **Leonard, Fred.** Cineplasty. An End-Result Study 59

Breck, Louis W.; Cornell, Robert C.; and **Emmett, John E.** Intramedullary Fixation of Fractures of the Femur in a Case of Osteopetrosis 1389

Brindley, H. H. *See* **Tracey, J. F.**

Broder, Harold M., and **Caughran, John H.** Traumatic Arteriovenous Aneurysm of the Foot ... 427

PAGE

Brown, Thornton, *See* **Norton, Paul L.**

Brown, Thornton; Hansen, Robert J.; and **Yorra, Alvin J.** Some Mechanical Tests on the Lumbosacral Spine with Particular Reference to the Intervertebral Discs. A Preliminary Report. 1135

Bruner, Julian M. Use of Single Iliac-Bone Graft to Replace Multiple Metacarpal Loss in Dorsal Injuries of the Hand. [Cock-up Deformity.] [Gas Gangrene.] 43

Bunnell, Sterling 1408

Burgess, Bruno. *See* **LoGrippo, Gerald A.**

C

Cameron, Bruce M. A Technique for Femoral-Shaft Shortening 1309

Campbell, Crawford J.; Roach, John; and **Grisolia, Andres.** A Comparative Study of Xeroroentgenography and Routine Roentgenography in the Recording of Roentgen Images of Bone Specimens. [Hyponephroma.] [Osteogenic Sarcoma.] [Angiomatous Meningioma.] [Chondrosarcoma.] 577

Carlström, Diego G. Some Aspects of the Ultrastructure of Bone. [Crystallites.] [Radio-isotopes.] 622

Carroll, Robert E. Osteogenic Sarcoma in the Hand 325

Casscells, S. Ward, and **Strange, Theodore B.** Intramedullary Wire Fixation of Mallet-Finger. [Capsulitis.] [Causalgia.] 521

Caughran, John H. *See* **Broder, Harold M.**

Clawson, D. Kay, and **King, Don.** A Technique for Accurate Localization of Vertebrae at Surgery 668

Clayton, Irvin. *See* **Kelikian, Hampar.**

Cleveland, Mather. Traction *Versus* Rest in the Treatment of Hip Disease. [Thomas Hip Splint.] [Vergil P. Gibney.] [John Ridlon.] [Newton Schaeffer.] [Hugh Owen Thomas.] 661

Cohen, Jonathan; Maletskos, Constantine J.; Marshall, John H.; and **Williams, James B.** Radioactive Calcium Tracer Studies in Bone Grafts 561

Cooperman, Bernard. *See* **Stinchfield, Frank E.**

Cornell, Robert C. *See* **Breck, Louis W.**

Coventry, Mark B., and **Dahlin, David C.** Osteogenic Sarcoma. A Critical Analysis of 430 Cases. [Heterotopic Ossification.] [Paget's Disease.] 741

Coventry, Mark B. *See* **Barber, John R.**

Coventry, Mark B. *See* **Duran, Robert J.**

Crue, Benjamin L.; Pudenz, Robert H.; and **Shelden, C. Hunter.** Observations on the Value of Clinical Electromyography. [Motor Neuron Disease.] [Denervation Fibrillation.] [Muscle Atrophy.] [Disc Disease.] [Myelography.] 492

D

Dahlin, David C. *See* **Coventry, Mark B.**

Dahlin, David C. *See* **Porretta, Charles A.**

Dail, Clarence W. *See* **Nickel, Vernon L.**

Day, F. G. *See* **McKenzie, A. H.**

Doumanian, Ara. *See* **Kelikian, H.** (Swivel)

Doumanian, Ara. *See* **Kelikian, H.** (I)

Doumanian, Ara. *See* **Kelikian, H.** (II)

Duran, Robert J.; Coventry, Mark B.; Weed, Lyle A.; and **Kierland, Robert R.** Sporotrichosis. A Report of Twenty-three Cases in the Upper Extremity 1330

Durnin, William G. An Angled Guide Wire Director for Use in Treatment of Intertrochanteric Fractures and Fractures of the Neck of the Femur 1203

Durning, W. Colin. Repair of a Defect in the Shell of the Snail *Helix aspersa.* [Calcification.] 377

E

Eggers, G. W. N. Shoe Pad for Treatment of Calcaneal Spur 219

Eggers, G. W. N. *See* **Blumel, Johanna.**

Elliott, Stuart R. *See* **Robinson, Robert A.**

Emmett, John E. *See* **Breck, Louis W.**

Enneking, William F. Histological Investigation of Bone Transplantation in Immunologically Prepared Animals 597

Evans, E. Burke. *See* **Blumel, Johanna.**

F

Fenton, Richard L. Surgical Repair of a Torn Tibial Collateral Ligament of the Knee by Means of

PAGE

the Semitendinosus Tendon (Bosworth Procedure). Report of Twenty-Eight Cases. [Quadriceps Femoris Exercises.] [Repair of the Medial Meniscus.] ... 304
Ferguson, Albert B., Jr. A Study of Disuse Atrophy of Skeletal Muscle in the Rabbit ... 583
Ferry, Allen M.; Rook, Frederick W.; and **Masterson, James H.** Retrosternal Dislocation of the Clavicle. [Closed Reduction.] ... 905
Fielding, J. William. Cinerocentgenography of the Normal Cervical Spine. [Image-Intensifier Tube.] 1280
Fielding, J. William. Report of the Visit of the 1957 American and Canadian Traveling Fellows to Great Britain ... 1207
Fleming, Joseph L. *See* **LoGrippo, Gerald A.**
Fletcher, Maurice J. *See* **Brav, Ernest A.**
Francis, Kenneth C. *See* **Hallock, Halford.**
Fried, Amnon, and **Hendel, Carlos.** Paralytic Valgus Deformity of the Ankle. Replacement of the Paralyzed Tibialis Posterior by the Peronaeus Longus ... 921
Fraerman, Samuel H. *See* **Scheman, Louis.**
Friedenberg, Z. B. Reaction of the Epiphysis to Partial Surgical Resection ... 332
Fuerst, Charles E. *See* **Straub, Lee Ramsey.**

G

Goff, Charles W., and **Landmesser, Walter.** Bipedal Rats and Mice. Laboratory Animals for Orthopaedic Research ... 597
Gold, Aaron M. Use of a Prosthesis for the Distal Portion of the Radius Following Resection of a Recurrent Giant-Cell Tumor ... 1374
Goldenberg, Raphael R. Osteogenic Sarcoma of the Tibia with Pulmonary Metastasis. Report of a Case with Ten-Year Survival. [Lobectomy.] ... 1191
Green, William T. Orthopaedic Surgery, Yesterday and Tomorrow. [Presidential Address. The American Academy of Orthopaedic Surgeons.] ... 675
Green, William T., and **Anderson, Margaret.** Epiphyseal Arrest for the Correction of Discrepancies in Length of the Lower Extremities [Epiphyseodesis.] [Stapling.] [Skeletal-Age Standards.] ... 853
Greene, Mark H. Metastasis of Pulmonary Carcinoma to the Phalanges of the Hand ... 972
Grisolia, Andres. *See* **Campbell, Crawford J.**

H

Haber, Arnold, Jr. *See* **Regen, Eugene M.**
Hadley, Lee A. The Covertebral Articulations and Cervical Foramen Encroachment. [Osteophytes.] [Bone-spur Formation.] [Radiculitis.] [Sympathetic Plexus.] [Luschka Joints.] ... 910
Hall, Cameron B. *See* **Westin, G. Wilbur.**
Hall, R. H. *See* **Wiltse, L. L.**
Hallock, Halford; Francis, Kenneth C.; and **Jones, James B.** Spine Fusion in Young Children. A Long-Term End-Result Study with Particular Reference to Growth Effects ... 481
Hansen, Robert J. *See* **Brown, Thornton.**
Harris, William H. *See* **Horst, James R.**
Harty, Michael. The Calcar Femorale and the Femoral Neck. [Trochanteric Fracture.] [Internal Fixation.] ... 625
Harvey, J. Paul, Jr. *See* **Straub, Lee Ramsey.**
Hendel, Carlos. *See* **Fried, Amnon.**
Herndon, Charles H. *See* **Heyman, Clarence H.**
Herrick, J. F. *See* **Ardan, Nicholas I., Jr.**
Heyman, Clarence H.; Herndon, Charles H.; and **Strong, Joseph M.** Slipped Femoral Epiphysis with Severe Displacement. A Conservative Operative Treatment ... 293
Holloway, Jon A. *See* **Ray, Robert D.**
Horst, James R., and **Harris, William H.** Patellectomy and Fascial Grafting in Certain Cases of Long Standing Disruption of the Quadriceps Mechanism. A Case Report and Review of the Literature ... 403
Hughston, Jack C. Fracture of the Distal Radial Shaft. Mistakes in Management ... 249

I

Ilfeld, Frederic W. The Management of Congenital Dislocation and Dysplasia of the Hip by Means of a Special Splint ... 99
Irwin, C. Edwin, and **Wray, James B.** Experiences with the Use of the Milwaukee Frame in the

PAGE

Treatment of Paralytic Scoliosis. [Overbite.] [Pelvic Obliquity.] ... 1020

J

Jacobson, Harold G. *See* **Lentino, Walter.**
Janes, Joseph M. *See* **Ardan, Nicholas I., Jr.**
Janes, Joseph M. *See* **Kelly, Patrick J.**
Janes, Joseph M. *See* **Porretta, Charles A.**
Johnson, J. T. H. Atypical Myositis Ossificans. [Heterotopic Ossification.] [Trauma.] [Burns.] ... 189
Jones, James B. *See* **Hallock, Halford.**

K

Kaplan, Emanuel B. Discoid Lateral Meniscus of the Knee Joint. Nature, Mechanism, and Operative Treatment. [Anatomy of the Menisci.] [Embryonic Development of the Menisci.] ... 77
Kaplan, Emanuel B. Dorsal Dislocation of the Metacarpophalangeal Joint of the Index Finger ... 1081
Keats, Sidney. Combined Adductor-Gracilis Tenotomy and Selective Obturator-Nerve Resection for the Correction of Adduction Deformity of the Hip in Children with Cerebral Palsy ... 1087
Kelikian, H., and **Doumanian, Ara.** Swivel for Proximal Radio-Ulnar Synostosis ... 945
Kelikian, H., and **Doumanian, Ara.** Congenital Anomalies of the Hand. Part I. [Palmar Cleft.] ... 1002
Kelikian, H., and **Doumanian, Ara.** Congenital Anomalies of the Hand. Part II ... 1249
Kelikian, Hampar, and **Clayton, Irvin.** Giant-Cell Tumor of the Patella ... 414
Kelly, Patrick J. Criteria for Determining the Proper Level of Amputation in Occlusive Vascular Disease. A Review of 323 Amputations. [Diabetes.] [Popliteal Artery.] ... 883
Kernwein, Graham A.; Roseberg, Bertil; and **Sneed, William R., Jr.** Arthrographic Studies of the Shoulder Joint ... 1267
Kierland, Robert R. *See* **Duran, Robert J.**
King, Don. *See* **Clawson, D. Kay.**
King, Thomas. Compression of the Bone Ends as an Aid to Union in Fractures. A Report on Forty-nine Ununited and Four Recent Fractures ... 1238
Knight, Robert A., and **Mayne, Juan A.** Comminuted Fractures and Fracture-Dislocations Involving the Articular Surface of the Humeral Head ... 1343
Kondo, Eishi, and **Yamada, Kengo.** End Results of Focal Débridement in Bone and Joint Tuberculosis and Its Indications. [Chemotherapy.] [Albee's Operation.] ... 27
Kuhlmann, Raymond F., and **Bell, John F.** A Clinical Evaluation of Operative Procedures for Congenital Talipes Equinovarus. [Arthrodesis.] [Capsulotomy.] [Derotation Osteotomy.] [Plantar Fasciotomy.] [Ligamentous Release.] [Neurectomy.] [Rocker-Bottom Deformity.] [Tendo Calcaneus Lengthening.] ... 265
Kuitert, John H. *See* **Brav, Ernest A.**

L

Laine, Veikko A. I.; Sairanen, Eero; and **Vainio, Kauko.** Finger Deformities Caused by Rheumatoid Arthritis. [Baseball Finger.] [Buttonhole Deformity.] [Claw-Hand.] [Pill-Roller Hand.] [Snapping Finger.] [Swan-Neck Deformity.] [Trigger-Finger.] ... 527
Lambert, Claude N. *See* **Lidge, Ralph T.**
Landmesser, Walter. *See* **Goff, Charles W.**
Latif, A. *See* **Basmajian, J. V.**
Leao, Luiz. Osteoclastoma of the Femur. Report of a Case. [Paresis.] [Bone-Grafting.] ... 421
LeCocq, John F. *See* **Anderson, Kirk J.**
Lee, Harold G. Surgical Repair in Recurrent Dislocation of the Ankle Joint [Tenodesis.] ... 828
Lenson, Norman. Fibro-Osseous Dysplasia of the Skull. A Case Report. [Osteoma.] ... 651
Lentino, Walter; Lubetsky, Herman W.; Jacobson, Harold G.; and **Poppel, Maxwell H.** The Carpal-Bridge View. A Position for the Roentgenographic Diagnosis of Abnormalities in the Dorsum of the Wrist ... 88
Leonard, Fred. *See* **Brav, Ernest A.**
Lichtenstein, Louis. Aneurysmal Bone Cyst. Observations on Fifty Cases ... 873
Lichtor, Alexander. *See* **Lichtor, Joseph.**
Lichtor, Joseph, and **Lichtor, Alexander.** Paleopathological Evidence Suggesting Pre-Columbian Tuberculosis of the Spine ... 1398
Lidge, Ralph T.; Bechtol, Robert C.; and **Lambert, Claude N.** Congenital Muscular Torticollis. Etiology and Pathology [Bibliography.] ... 1165
Lindblom, K. Intervertebral-Disc Degeneration Considered as a Pressure Atrophy. [Scoliosis.] ... 933

PAGE

Lippmann, Robert K. The Transfixion Hip Prosthesis. Observations Based upon Five Years of Use. [Transposition of Acetabulum.] [Osteo-arthritis.] 759
Lipscomb, Paul R. Cervico-Occipital Fusion for Congenital and Post-Traumatic Anomalies of the Atlas and the Axis. [Fracture-Dislocations.] [Separation of the Odontoid Process.] 1289
LoGrippo, Gerald A.; Burgess, Bruno; Teodoro, Rosario; and **Fleming, Joseph L.** Procedure for Bone Sterilization with Beta-Propiolactone 1356
Looney, William B. *Comments on* The Responsibilities of the Medical Profession in the Use of X-Rays and Other Ionizing Radiation 982
Love, Willard H., and **Beiler, David D.** Osteo-onychodysplasia 645
Lowman, Charles LeRoy. Vice-Presidential Address. [The American Orthopaedic Association.] .. 1431
Lubetsky, Herman W. *See* **Lentino, Walter.**
Luscombe, Harold. *See* **Brav, Ernest A.**

M

Maatz, Richard, and **Bauermeister, Armin.** A Method of Bone Maceration. Results in Animal Experiments. [Deproteinization.] [Os Purum.] [Grafting.] [Transplantation.] [Spongiosa Test.] [Hole Test.] 153
Macdonald, William F. *See* **Brav, Ernest A.**
McDonald, John R. *See* **Barber, John R.**
McKenzie, A. H., and **Day, F. G.** Eosinophilic Granuloma of the Femoral Shaft Simulating Ewing's Sarcoma. [Histiocytosis, Non-lipoid.] 408
Makin, Myer; Alkalaj, Isidor; and **Rozansky, R.** Mono-Articular Brucellar Arthritis. [Coxitis.] [Malta Fever.] 1183
Maletskos, Constantine J. *See* **Cohen, Jonathan.**
Marshall, John H. *See* **Cohen, Jonathan.**
Masterson, James H. *See* **Ferry, Allen M.**
Mayer, Leo. Editorial 1408
Mayne, Juan A. *See* **Knight, Robert A.**
Metcalf, William, and **Whalen, William.** The Surgical, Social, and Economic Aspects of a Unit Hand Injury. [Out-patient Treatment.] 317
Meyers, Marvin H. Fracture about the Ankle Joint with Fixed Displacement of the Proximal Fragment of the Fibula Behind the Tibia 441
Moore, Austin T. The Self-Locking Metal Hip Prosthesis 811
Morgan, Harry C. *See* **Stein, Arthur H., Jr.**
Murray, R. A. *See* **Tracey, J. F.**

N

Nachlas, I. William. Long-Term Results in the Bucket-Handle Acetabuloplasty. [Congenital and Poliomyelitic Dislocation of the Hip.] [Dysplasia of the Hip.] [Polyarticular Rheumatoid Arthritis.] [Osteo-arthritis.] [Shelf Operation.] 309
Nickel, Vernon L., and **Renshaw, Wiley L.** Experience in Reconstructive Surgery with Patients Having Respiratory Paralysis 737
Nickel, Vernon L.; Perry, Jacquelin; Affeldt, John E.; and **Dail, Clarence W.** Elective Surgery on Patients with Respiratory Paralysis. [Vital Capacity.] 989
Norton, Paul L., and **Brown, Thornton.** The Immobilizing Efficiency of Back Braces. Their Effect on the Posture and Motion of the Lumbosacral Spine 111

O

O'Donoghue, Don H. Impingement Exostoses of the Talus and Tibia. [Chronic Arthritis.] [Marginal Osteophytes.] 835

P

Pavlík, Arnold. A Femoral Intramedullary Nail. [Hyperplasia.] [Osteomyelitis.] [Femoral Shortening.] 1059
Perry, Jacquelin. *See* **Nickel, Vernon L.**
Phelps, Winthrop M. Long-Term Results of Orthopaedic Surgery in Cerebral Palsy 53
Pipkin, Garrett. Treatment of Grade IV Fracture-Dislocation of the Hip. A Review. [Spontaneous Ankylosis.] [Traumatic Arthritis.] [Periarticular Calcification.] 1027
Poppel, Maxwell H. *See* **Lentino, Walter.**
Porretta, Charles A.; Dahlin, David C.; and **Janes, Joseph M.** Sarcoma in Paget's Disease of

PAGE

Bone. [Fractures Preceding Sarcoma.] 1314
Pudenz, Robert H. *See* **Crue, Benjamin L.**

R

Ratliff, A. H. C. Tuberculosis of the Femoral Neck in Childhood 1365
Ray, Robert D., and **Holloway, Jon A.** Bone Implants. Preliminary Report of an Experimental Study 1119
Regen, Eugene M., and **Haber, Arnold, Jr.** Giant-Cell Tumor of Cervical Vertebra with Unusual Symptoms. Report of a Case. [Dysphagia.] [Spine Fusion.] [Radiation Therapy.] 196
Renshaw, Wiley L. *See* **Nickel, Vernon L.**
Reynolds, Fred C. *See* **Stein, Arthur H., Jr.**
Roach, John. *See* **Campbell, Crawford J.**
Robinson, Robert A., and **Elliott, Stuart R.** The Water Content of Bone. I. The Mass of Water Inorganic Crystals, Organic Matrix, and "CO_2 Space" Components in a Unit Volume of Dog Bone 167
Robinson, Robert A. *See* **Southwick, Wayne O.**
Rogers, William A. Fractures and Dislocations of the Cervical Spine. An End-Result Study 341
Rogers, W. J., III. Hip-Nail Index 1206
Romness, Joseph O. *See* **Bickel, William H.**
Rook, Frederick W. *See* **Ferry, Allen M.**
Roseberg, Bertil. *See* **Kernwein, Graham A.**
Rozansky, R. *See* **Makin, Myer.**

S

Sage, Fred P. *See* **Smith, Hugh.**
Sairanen, Eero. *See* **Laine, Veikko A. I.**
Samilson, Robert L. *See* **Bersani, Frank A.**
Savchuck, William B. Effects of Strontium and Fluoride on the Repair of Unreduced Humeral Fractures in the Adult Rat. [Mineralization of Bone.] [Autoradiographic Technique.] [Breaking-Strength Tests.] 140
Scheman, Louis, and **Fraerman, Samuel H.** An Effective Laminotomy Rest 670
Schlesinger, Philip. Low Lumbar Nerve-Root Compression and Adequate Operative Exposure. [Tap Test.] ["Undermining Foraminotomy".] 541
Schobinger, Robert, and **Stoll, Henry C.** The Arteriographic Picture of Benign Bone Lesions Containing Giant Cells 953
Selakovich, Walter G. *See* **Sherman, Mary S.**
Sgandurra, Vicente. A Device for the Treatment of Torticollis in Infants 671
Shea, Cyril, Jr. *See* **Stinchfield, Frank E.**
Shelden, C. Hunter. *See* **Crue, Benjamin L.**
Sherman, Mary S., and **Selakovich, Walter G.** Bone Changes in Chronic Circulatory Insufficiency. A Histopathological Study. [Necrosis of Haversian System.] [Buerger's Disease in the Female.] [Arteriosclerosis Obliterans.] 892
Silver, Caroll M., and **Simon, Stanley D.** A Torso-Suspension Walker for Children 980
Simon, Stanley D. *See* **Silver, Caroll M.**
Smith, Hugh, and **Sage, Fred P.** Medullary Fixation of Forearm Fractures. [Closed Methods.] [Bone-Grafting.] [Plates and Wire Loops.] 91
Smyrnis, Panayiotis. Hematogenous Infection of Closed Fractures with *Mycobacterium tuberculosis* 902
Sneed, William R. *See* **Kernwein, Graham A.**
Southwick, Wayne O. Application of Punched Card Indexing Systems to Orthopaedic Surgery ... 1400
Southwick, Wayne O., and **Robinson, Robert A.** Surgical Approaches to the Vertebral Bodies in the Cervical and Lumbar Regions 631
Spittler, August W. *See* **Brav, Ernest A.**
Stein, Arthur H., Jr. Retrosternal Dislocation of the Clavicle 656
Stein, Arthur H., Jr.; Morgan, Harry C.; and **Reynolds, Fred C.** Variations in Normal Bone-Marrow Pressures 1129
Stenehjem, J. C. *See* **Wiltse, L. L.**
Stevenson, Andrey W. *See* **Allen, Albert R.**
Stevenson, Clifford A., and **Zuska, Joseph J.** Aneurysm of the Popliteal Artery from Perforation by a Solitary Exostosis of the Femur. A Case Report 431
Stinchfield, Frank E.; Cooperman, Bernard; and **Shea, Cyril E.** Replacement of the Femoral

PAGE

Head by Judet or Austin Moore Prosthesis 1043

Stoll, Henry C. *See* **Schobinger, Robert.**

Strange, Theodore B. *See* **Casscells, S. Ward.**

Straub, Lee Ramsey; Harvey, J. Paul, Jr.; and **Fuerst, Charles E.** A Clinical Evaluation of Tendon Transplantation in the Paralytic Foot. [Triple Arthrodesis.] [Stabilization.] [Poliomyelitis.] [Cerebral Palsy.] 1

Straub, Lee Ramsay. *See* **Thompson, T. Campbell.**

Strong, Joseph M. *See* **Heyman, Clarence H.**

T

Teodoro, Rosario. *See* **LoGrippo, Gerald A.**

Thompson, Samuel B. An Anti-Scissoring Device for Patients with Cerebral Palsy 218

Thompson, T. Campbell; Straub, Lee Ramsay; and **Arnold, William D.** Congenital Absence of the Fibula 1229

Tobin, William J. Familial Osteochondritis Dissecans with Associated Tibia Vara. [Ligamentous Relaxation.] [Valgus Deformity.] 1091

Tracey, John F.; Brindley, H. H.; and **Murray, R. A.** Primary Malignant Tumors of Bone. [Chondrosarcoma.] [Ewing's Sarcoma.] [Fibrosarcoma.] [Giant-Cell Tumor.] [Multiple Myeloma.] [Osteogenic Sarcoma.] [Osteomyelitis.] [Reticulum-Cell Sarcoma.] 554

U

Urist, Marshall R. The Principles of Hip-Socket Arthroplasty. [Rheumatoid Arthritis.] 786

V

Vainio, Kauko. *See* **Laine, Veikko A. I.**

Vaughan, Laverne. *See* **Ferguson, Albert B., Jr.**

Vultee, Frederick E., Jr. *See* **Brav, Ernest A.**

W

Ward, Lawrence. *See* **Ferguson, Albert B., Jr.**

Webster, Frederick S., and **Willander, Duane.** Chronic Sporotrichal Synovitis of the Knee 207

Weed, Lyle A. *See* **Duran, Robert J.**

Weinberg, Joseph A. The Surgical Excision of Psoas Abscesses Resulting from Spinal Tuberculosis. [Chemotherapy.] [Genito-urinary Tuberculosis.] 17

Wells, Paul O. *See* **Blair, John D.**

West, John P.; Winant, Edward M.; and **Blair, Charles R.** Femoral Artery Reconstruction in a Patient with a Compound Fracture of the Femur 1394

Westin, G. Wilbur, and **Hall, Cameron B.** Subtalar Extra-Articular Arthrodesis. A Preliminary Report of a Method of Stabilizing Feet in Children. [Paralytic Poliomyelitis.] [Flat-Foot.] [Calcaneovalgus Deformity.] [Tendon Transplantation.] [Osteotomy.] 501

Whalen, William. *See* **Metcalf, William.**

Wilber, M. C., and **Woodcock, John A.** Ganglioneuromata in Bone. Report of a Case 1385

Willander, Duane. *See* **Webster, Frederick S.**

Williams, James B. *See* **Cohen, Jonathan.**

Wiltberger, B. R. The Dowel Intervertebral-Body Fusion as Used in Lumbar-Disc Surgery 284

Wiltse, L. L.; Hall, R. H.; and **Stenehjem, J. C.** Experimental Studies Regarding the Possible Use of Self-Curing Acrylic in Orthopaedic Surgery. [Heat of Polymerization.] [Tissue Tolerance.] 961

Winant, Edward M. *See* **West, J. P.**

Woodard, George H. *See* **Brav, Ernest A.**

Woodcock, John A. *See* **Wilber, M. C.**

Wray, James B. *See* **Irwin, C. Edwin.**

Y

Yamada, Kengo. *See* **Kondo, Eishi.**

Yorra, Alvin J. *See* **Brown, Thornton.**

Z

Zancolli, Eduardo A. Claw-Hand Caused by Paralysis of the Intrinsic Muscles. A Simple Surgical Procedure for its Correction [Capsuloplasty.] [Neurorrhaphy.] 1076

Zuska, Joseph J. *See* **Stevenson, Clifford A.**

In the Subject Index asterisks (*) indicate that an article deals with a subject at length. Words in parentheses ( ) distinguish between articles written by the same author.

SUBJECT INDEX

VOLUME 39-A

A

PAGE

Absence of Fingers. *See* Kelikian H. (I).

Abscesses, Psoas, Resulting from Spinal Tuberculosis, The Surgical Excision of. Joseph A. Weinberg 17

Accidents, the Role of, in Hand Injuries. *See* Metcalf, William.

Acetabular Dysplasia. *See* Ilfeld, Frederic W.

Acetabular-Rim Fracture. *See* Pipkin, Garrett.

Acetabulum, Transposition of. *See* Lippmann, Robert K.

Acetabulum.
See Heyman, Clarence H.
See Urist, Marshall R.

Acetabuloplasty, Bucket-Handle, Long-Term, Results in the. I. William Nachlas 309

Acromionectomy. *See* Knight, Robert A.

Acrylic Prosthesis. *See* Gold, Aaron M.

Acrylic, Self-Curing, Experimental Studies Regarding the Possible Uses of, in Orthopaedic Surgery. L. L. Wiltse, R. H. Hall, and J. C. Stenehjem 961

Acta Orthopedica-Traumatologica Iberica 232

Adduction Deformity of the Hip in Children with Cerebral Palsy, Combined Adductor-Gracilis Tenotomy and Selective Obturator-Nerve Resection for the Correction of. Sidney Keats 1087

Adenocarcinoma. *See* Greene, Mark H.

Albee's Operation for Tuberculosis. *See* Kondo, Eishi.

Albers-Schönberg Disease. *See* Breck, Louis W.

Amelioration Values. *See* Stinchfield, Frank E.

American Academy of Orthopaedic Surgeons, The 469, 736, 1226, 1440

American Board of Orthopaedic Surgery, The 473

American Cancer Society Clinical Fellowships 1440

American Fracture Association 736

American Medical Association 473

American Orthopaedic Association, The 232, 468, 986, 1226, 1419

American Orthopaedic Association, The. President's Address. David M. Bosworth ... 1420

American Orthopaedic Association, The. Vice-Presidential Address. Charles LeRoy Lowman 1431

PAGE

American Society for Surgery of the Hand 1226, 1440

Amputation.
See Bernstein, Maurice A.
See Brav, Ernest A.
See Carroll, Robert E.
See Coventry, Mark B.
See Goldenberg, Raphael R.
See Kelly, Patrick J.
See Metcalf, William
See Porretta, Charles A.
See Thompson, T. Campbell

Amputation, Upper-Extremity. *See* Brav, Ernest A.

Anatomy, Comparative, of the Meniscus. *See* Kaplan, Emanuel B.

Anatomy of the Metacarpophalangeal Joint. *See* Kaplan, Emanuel B.

Aneurysm. *See* Kelly, Patrick J.

Aneurysm, Arteriovenous. *See* Broder, Harold M.

Aneurysm of the Popliteal Artery from Perforation by a Solitary Exostosis of the Femur. A Case Report. Clifford A. Stevenson and Joseph J. Zuska 431

Aneurysmal Bone Cyst. *See* Schobinger, Robert.

Aneurysmal Bone Cyst of a Metatarsal. A Case Report. Robert J. Booher 435

Aneurysmal Bone Cyst. Observations on Fifty Cases. Louis Lichtenstein 873

Angled Guide-Wire Director for Use in Treatment of Intertrochanteric Fractures and Fractures of the Neck of the Femur, An. William G. Durnin 1203

Ankle.
See Fried, Amnon.
See Lee, Harold G.*
See Meyers, Marvin H.
See O'Donoghue, Don H.

Ankylosed Cervical Spine, Fracture of
See Rogers, William A.

Ankylosis. *See* Johnson, J. T. H.

Ankylosis, Spontaneous. *See* Pipkin, Garrett.

Annulus Fibrosus.
See Brown, Thornton.
See Lindblom, K.

Anomalies of the Atlas and the Axis. *See* Lipscomb, Paul R.*

PAGE

Anoxia, Embryonic. *See* Thompson, T. Campbell.
Anteversion. *See* Ilfeld, Frederic W.
Antibodies. *See* Enneking, William F.
Antigens. *See* Enneking, William F.
Anti-Scissoring Device for Patients with Cerebral Palsy, An. Samuel B. Thompson 218
Apatite Crystallites. *See* Carlström, Diego G.
Apophyseal-Joint Subluxation. *See* Boylston, Bedford F.
Apparatus.
Angled Guide-Wire Director for Use in Treatment of Intertrochanteric Fracture and Fractures of the Neck of the Femur. William G. Durnin 1203
Anti-Scissoring Device for Patients with Cerebral Palsy, An. Samuel B. Thompson 218
Device for the Treatment of Torticollis in Infants, A. Vicente Sgandurra 671
Effective Laminotomy Rest, An. Louis Scheman and Samuel H. Fraerman 670
(Experimental Brace). Immobilizing Efficiency of Back Braces, The. Their Effect on the Posture and Motion of the Lumbosacral Spine. Paul L. Norton and Thornton Brown 111
Hip-Nail Index. W. J. Rogers, III 1206
Management of Congenital Dislocation and Dysplasia of the Hip by Means of a Special Splint, The. Frederic W. Ilfeld 99
Shoe Pad for Treatment of Calcaneal Spur. G. W. N. Eggers 219
Swivel for Proximal Radio-Ulnar Synostosis. H. Kelikian and Ara Doumanian 945
Torso Suspension Walker for Children, A. Caroll M. Silver, and Stanley D. Simon .. 980
Application of Punched Card Indexing Systems to Orthopaedic Surgery. Wayne O. Southwick 1400
Arm. *See* Johnson, J. T. H.
Arm, Sporotrichosis of. *See* Duran, Robert J.
Arnold-Abbott Back Brace. *See* Norton, Paul L.
Arterial Occlusion. *See* Kelly, Patrick J.
Arterial Repair. *See* West, J. P.*
Arteriographic Picture of Benign Bone Lesions Containing Giant Cells, The. Robert Schobinger and Henry C. Stoll 953
Arteriosclerosis Obliterans. *See* Sherman, Mary S.
Arteriovenous Aneurysm. *See* Broder, Harold M.
Arthritis, Chronic. *See* O'Donoghue, Don H.
Arthritis, Mono-Articular Brucellar. Myer Makin, Isidor Alkalaj, and R. Rozansky ... 1183
Arthritis and Rheumatism (A new medical journal) 1224
Arthritis, Rheumatoid. *See* Laine, Veikko A. I.*
Arthritis, Polyarticular Rheumatoid. *See* Nachlas, I. William.

PAGE

Arthritis, Post-Traumatic. *See* Fenton, Richard L.
Arthritis, Septic. *See* Makin, Myer.
Arthritis of the Sternoclavicular Joint. *See* Ferry, Allen M.
Arthritis, Traumatic. *See* Pipkin, Garrett.
Arthrodesis.
See Hallock, Halford *
See Kuhlmann, Raymond F.
Arthrodesis, Subtalar Extra-Articular. A Preliminary Report of a Method of Stabilizing Feet in Children. G. Wilbur Westin and Cameron B. Hall 501
Arthrodesis, Triple. *See* Straub, Lee Ramsay.
Arthrodysplasia. *See* Love, Willard H.
Arthrographic Studies of the Shoulder Joint. Graham A. Kernwein; Bertil Roseberg; and William R. Sneed, Jr. 1267
Arthroplasty of the Hip. *See* Aufranc, Otto E.*
Arthroplasty, The Principles of Hip-Socket. Marshall R. Urist 786
Arthus-like Reaction. *See* Enneking, William F.
Articular Facets. *See* Fielding, J. William.
Association of Bone and Joint Surgeons .. 437
Association of Military Surgeons 1226
Atelectasis. *See* Nickel, Vernon L. (Reconstructive).
Atelectasis. *See* Nickel, Vernon L. (Elective).
Atherosclerosis Obliterans. *See* Kelly, Patrick J.
Athetosis. *See* Phelps, Winthrop M.*
Atlas. *See* Fielding, J. William.
Atlas, Anomalies of. *See* Lipscomb, Paul R.*
Atlas, Dislocation of. *See* Rogers, William A.*
Atlanto-epistrophic Articulation. *See* Fielding, J. William.*
Atrophy, Disuse. *See* Ferguson, Albert B., Jr.
Atypical Myositis Ossificans. J. T. H. Johnson 189
Austin Moore Prosthesis. *See* Stinchfield, Frank E.*
Autogenous-Bone Transplants. *See* Enneking, William F.*
Autoradiographic Technique. *See* Savchuck, William B.*
Avascular Necrosis.
See Sherman, Mary S.
See Stinchfield, Frank E.
See Urist, Marshall R.
Axis. *See* Rogers, William A.
Axis, Anomalies of. *See* Lipscomb, Paul R.

B

Back Braces. *See* Norton, Paul L.
Baseball-Finger. *See* Laine, Veikko A. I.
Benign Bone Lesions Containing Giant Cells, The Arteriographic Picture of. Robert Schobinger and Henry C. Stoll 953

PAGE

Beta-Propiolactone. *See* LoGrippo, Gerald A.

Biceps Brachii, Anatomy of. *See* Basmajian, J. V.

Biceps Cineplasty. *See* Brav, Ernest A.*

Biceps Tendon, Lesions of. *See* Kernwein, Graham A.

Bilateral Arborescent Lipoma of the Knee. A Case Report. Anthony Arzimanoglu 976

Bilateral Undescended Scapula Associated with Omovertebral Bone. Report of a Case. John D. Blair and Paul O. Wells 201

Bipedal Rats and Mice. Laboratory Animals for Orthopaedic Research. Charles W. Goff and Walter Landmesser. [Correction page 1407] 597

Blood Flow. *See* Ferguson, Albert B., Jr.

Bone Cavities, Filling of. *See* Wiltse, L. L.

Bone Changes in Chronic Circulatory Insufficiency. A Histopathological Study. Mary S. Sherman and Walter G. Selakovich 892

Bone Cyst. *See* Booher, Robert J.

Bone Cyst, Aneurysmal. Observations on Fifty Cases. Louis Lichtenstein 873

Bone, Ganglioneuromata in. Report of a Case. M. C. Wilber and John A. Woodcock 1385

Bone-Grafting.
See Bruner, Julian M.
See Hughston, Jack C.
See Leao, Luiz.
See Smith, Hugh.

Bone-Grafting in Acetabuloplasty. *See* Nachlas, I. William.

Bone-Grafting, Subtalar. *See* Westin, G. Wilbur.

Bone Grafts, Radioactive Calcium Tracer Studies in. Jonathan Cohen; Constantine J. Maletskos; John H. Marshall; and James B. Williams 561

Bone Growth. *See* Friedenberg, Z. B.

Bone Healing. *See* Ardan, Nicholas I., Jr.*

Bone Hypertrophy. *See* Schlesinger, Philip T.

Bone Implants. Preliminary Report of an Experimental Study. Robert D. Ray and Jon A. Holloway 1119

Bone Lesions.
See Kelikian, Hampar.
See McKenzie, A. H.

Bone Lesions, Benign. *See* Schobinger, Robert.

Bone Maceration, A Method of. Results in Animal Experiments. Richard Maatz . . . 153

Bone-Marrow Pressures, Normal, Variations in. Arthur H. Stein, Jr.; Harry C. Morgan; and Fred C. Reynolds 1129

Bone, Omovertebral. *See* Blair, John D.

Bone Sarcoma with Paget's Disease. *See* Porretta, Charles A.

Bone, Some Aspects of the Ultrastructure of. Diego G. Carlström 622

PAGE

Bone-Spur Formation. *See* Hadley, Lee A.

Bone Sterilization with Beta-Propiolactone, Procedure for. Gerald A. LoGrippo; Bruno Burgess; Rosario Teodoro; and Joseph L. Fleming 1356

Bone Transplants in Immunologically Prepared Animals, Histological Investigation of. William F. Enneking 597

Bone Tuberculosis. *See* Allen, Albert R.

Bone Tumors.
See Tracey, J. F.*
See Coventry, Mark B.*

Bone, Water Content of. *See* Robinson, Robert A.

Book Reviews.

Asboe-Hansen, G. (Editor). Connective Tissue in Health and Disease 988

Böhler, Lorenz. The Treatment of Fractures. Vol. I 235

Boytchev, B.; Conforty, B.; and Tchokanov, K. Operative Orthopaedics and Traumatology. (Written in Bulgarian) 479

Buxton, St. J. D. Arthroplasty 236

Cleveland, Mather. Surgery in World War II. Orthopedic Surgery in the European Theatre of Operations 477

Elliott, Harold (Editor). Medical Aspects of Traffic Accidents. Proceedings of the Montreal Conference 235

Evans, F. Gaynor. Stress and Strain in Bones. Their Relation to Fractures and Osteogenesis 987

Furlong, Roland. Injuries of the Hand 1228

Gillies, Sir Harold, and Millard, D. Ralph C., Jr. The Principles and Art of Plastic Surgery. Two Volumes 477

Grant, J. C. Boileau. An Atlas of Anatomy. Ed. 4 235

Griffiths, D. L., Seddon, H. J., and Roof, R. Pott's Paraplegia 480

Hackett, George Stuart. Joint Ligament Relaxation Treated by Fibro-Osseous Proliferation 478

Hadley, Lee A. The Spine: Anatomical Radiographic Studies. Development in the Cervical Region 478

Key, John Albert, and Conwell, H. Earle. The Management of Fractures, Dislocations and Sprains. Sixth Edition 235

LeVay, David. The Life of Hugh Owen Thomas 987

Licht, Sidney (Editor). Electrodiagnosis and Electromyography 1228

Perkins, John J. Principles and Methods of Sterilization 234

Platt, Sir Harry (Editor). Modern Trends in Orthopedics (Second Series) 479

Pyle, Sarah Idell, and Hoerr, N. L. Radiographic Atlas of Skeletal Development of the Knee. A Standard of Reference 234

PAGE

Raney, R. Beverley (Editor). Instructional Course Lectures, Vol. XIII 478
Second Institute on Rehabilitation Centers. Proceedings 479
Selye, Hans. The Stress of Life 479
Sodeman, W. (Editor). Pathologic Physiology. Mechanisms of Disease. Ed. 2 234
Stimson, Barbara Bartlett. A Manual of Fractures and Dislocations. Ed. 3 236
Talbott, John H. Gout 1227
Vincent, J. Recherches sur la Constitution de l'Os Adulte 1228
Wilkinson, Andrew Wood. Body Fluids in Surgery 236

Bosworth Procedures. *See* Fenton, Richard L.*

Bowing, Tibial.
See Tobin, William J.
See Thompson, T. Campbell.

Brace, Milwaukee. *See* Irwin, C. Edwin.

Braces, Back. *See* Norton, Paul L.

Brachialis, Anatomy of. *See* Basmajian, J. V.

Brachioradialis, Anatomy of. *See* Basmajian, J. V.

Breaking-Strength Tests. *See* Savchuck, William B.

Breathing Ability. *See* Nickel, Vernon L. (Elective).

Brucellosis. *See* Makin, Myer.*

Bucket-Handle Acetabuloplasty. *See* Nachlas, I. William.*

Bucket-Handle Tear of Meniscus. *See* Abrams, Robert C.

Buerger's Disease in the Female. *See* Sherman, Mary S.

Bulletin of the Hospital for Joint Diseases 232

Burns. *See* J. T. H. Johnson.

Buttonhole Deformity. *See* Laine, Veikko A. I.

C

Calcaneal Spur, Shoe Pad for Treatment of. G. W. N. Eggers 219

Calcaneovalgus Deformity. *See* Westin, G. Wilbur.

Calcaneovalgus Deformity of the Feet. *See* Love, Willard H.

Calcaneus. *See* Thompson, T. Campbell.

Calceneus Deformity. *See* Straub, Lee Ramsay.

Calcaneus, Fracture of. *See* Broder, Harold M.

Calcar Femorale and the Femoral Neck, The. Michael Harty 625

Calcification.
See Durning, W. Colin.*
See Robinson, Robert A.

Calcification, Peri-articular. *See* Pipkin, Garrett.

Calcification of the Subacromial Soft Tissues. *See* Kernwein, Graham A.

PAGE

Calcium Carbonate. *See* Durning, W. Colin.

Callus, Periosteal. *See* King, Thomas.

Canadian Journal of Surgery 1440

Capsulitis.
See Casscells, S. Ward.
See Kernwein, Graham A.

Capsuloplasty. *See* Zancolli, Eduardo A.

Capsulotomy of Ankle Joint. *See* Thompson, T. Campbell.

Capsulotomy, Posterior, of the Ankle Joint. *See* Kuhlmann, Raymond F.

Carbon Dioxide Space Components of Bone. *See* Robinson, Robert A.*

Carcinoma. *See* Barber, John R.

Carcinoma, Metastatic Extradural. *See* Crue, Benjamin L.

Carcinoma, Pulmonary, to the Phalanges of the Hand, Metastasis of. Mark H. Greene 972

Carpal-Bridge View, The. A Position for the Roentgenographic Diagnosis of Abnormalities in the Dorsum of the Wrist. Walter Lentino; Herman W. Lubetsky; Harold G. Jacobson; and Maxwell H. Poppel 88

Cartilage, Epiphyseal. *See* Friedenberg, Z. B.*

Causalgia. *See* Casscells, S. Ward.

Cerebral Palsy.
See Keats, Sidney.
See Phelps, Winthrop M.
See Silver, Caroll.
See Straub, Lee Ramsay.
See Thompson, Samuel B.

Cerebral Palsy, Long-Term Results of Orthopaedic Surgery in. *See* Phelps, Winthrop M.

Cerebral Palsy, Spastic. *See* Keats, Sidney.*

Cervical Foramen Encroachment, The Covertebral Articulations and. Lee A. Hadley 910

Cervical Nerve-Root Compression. *See* Crue, Benjamin L.

Cervical Spine.
See Blair, John D.
See Boylston, Bedford F.*
See Fielding, J. William*
See Lipscomb, Paul R.*
See Regen, Eugene M.
See Rogers, William A.*
See Southwick, Wayne O.

Cervical Spine, Cineroentgenography of the Normal. J. William Fielding 1280

Cervical Spine in Flexion and Extension, Oblique Roentgenographic Views of the. An Aid in the Diagnosis of Cervical Subluxations and Obscure Dislocations. Bedford F. Boylston 1302

Cervical Spine, Fractures and Dislocations of the. An End-Result Study. William A. Rogers 341

PAGE

Cervical Vertebrae, Congenital Malformation of. *See* Lenson, Norman.

Cervico-Occipital Fusion for Congenital and Post-Traumatic Anomalies of the Atlas and the Axis. Paul R. Lipscomb . . . 1289

Chair-back Brace. *See* Norton, Paul L.

Chemotherapy for Tuberculosis.
See Allen, Albert R.
See Kondo, Eishi.*
See Weinberg, Joseph A.

Chemotherapeutic Effect on Bone-Marrow Pressure. *See* Stein, Arthur H., Jr.

Chondroblastic Osteogenic Sarcoma. *See* Coventry, Mark B.*

Chondrosarcoma.
See Campbell, Crawford J.
See Tracey, J. F.

Chronic Sporotrichal Synovitis of the Knee. Frederick S. Webster and Duane Willander 207

Cineplasty. An End-Result Study. Ernest A. Brav; August W. Spittler; Harold B. Luscombe; John H. Kuitert; William F. Macdonald; Frederick E. Vultee, Jr.; George H. Woodard; Maurice J. Fletcher; and Fred Leonard 59

Cineroentgenography of the Normal Cervical Spine. J. William Fielding 1280

Circulation, Bone. *See* Stein, Arthur H., Jr.*

Circulatory Insufficiency. *See* Sherman, Mary S.

Clavicle. *See* Ferry, Allen M.*

Clavicle, Dislocation of. *See* Stein, Arthur H., Jr.*

Claw-Hand. *See* Laine, Veikko A. I.

Claw-Hand Caused by Paralysis of the Intrinsic Muscles. A Simple Surgical Procedure for its Correction. Eduardo A. Zancolli 1076

A Clinical Evaluation of Operative Procedures for Congenital Talipes Equinovarus. Raymond F. Kuhlmann and John F. Bell 265

Clinical Evaluation of Tendon Transplantation in the Paralytic Foot, A. Lee Ramsay Straub; J. Paul Harvey, Jr.; and Charles E. Fuerst 1

Clinical Orthopaedic Society 232

Club-Hand. *See* Kelikian H. (II).

Club-Foot.
See Kuhlmann, Raymond F.*
See Straub, Lee Ramsay.*

Cock-Up Deformity. *See* Bruner, Julian M.

Combined Adductor-Gracilis Tenotomy and Selective Obturator-Nerve Resection for the Correction of Adduction Deformity of the Hip in Children with Cerebral Palsy. Sidney Keats 1087

Comparative Study of Xeroroentgenography and Routine Roentgenography in the Recording of Roentgen Images of Bone Specimens, A. Crawford J. Campbell; John Roach; and Andres Grisolia 577

Compression of the Bone Ends as an Aid to Union in Fractures. A Report on Forty-nine Ununited and Four Recent Fractures. Thomas King 1238

Congenital Absence of the Fibula. T. Campbell Thompson; Lee Ramsay Straub; and William D. Arnold 1229

Congenital Anomalies of the Cervical Spine. *See* Lipscomb, Paul R.*

Congenital Anomalies of the Hand. Part I. H. Kelikian and Ara Doumanian 1002

Congenital Anomalies of the Hand. Part II. H. Kelikian and Ara Doumanian 1249

Congenital Dislocation of the Hip. *See* Ilfeld, Frederic W.

Congenital Muscular Torticollis. Etiology and Pathology. Ralph T. Lidge; Robert C. Bechtol; and Claude N. Lambert 1165

Congenital and Post-Traumatic Anomalies of the Atlas and the Axis, Cervico-Occipital Fusion for. Paul R. Lipscomb . . 1289

Congenital Talipes Equinovarus. *See* Kuhlmann, Raymond F.*

Constructive Hip Surgery with the Vitallium Mold. A Report on 1,000 Cases of Arthroplasty of the Hip over a Fifteen-year Period. Otto E. Aufranc 237

Coracoid Process. *See* Kernwein, Graham A.

Cortical Necrosis. *See* Ardan, Nicholas I., Jr.

Covertebral Articulations and Cervical Foramen Encroachment, The. Lee A. Hadley 910

Coxa Valga. *See* Love, Willard H.

Coxa Vara.
See Breck, Louis W.
See Harty, Michael.
See Heyman, Clarence H.

Coxitis. *See* Makin, Myer.

Cranial Nerves. *See* Crue, Benjamin L.

Creeping Substitution. *See* Sherman, Mary S.

Criteria for Determining the Proper Level of Amputation in Occlusive Vascular Disease. A Review of 323 Amputations. Patrick J. Kelly and Joseph M. Janes 883

Cruciate Ligaments. *See* Kelikian, Hampar.

Crushing Injuries of the Hand. *See* Metcalf, William.

Crystallites. *See* Carlström, Diego G.

Cyst, Aneurysmal Bone. *See* Lichtenstein, Louis.

D

Deformities, Hand.
See Bruner, Julian M.
See Casscells, S. Ward.
See Kelikian, H. (I).*
See Kelikian, H. (II).*
See Laine, Veikko A. I.
See Zancolli, Eduardo A.

Degenerative Joint Disease. *See* Urist, Marshall R.

PAGE

Denervation Fibrillation. *See* Crue, Benjamin L.

Deproteinization. *See* Maatz, Richard.*

Deproteinized Bone Implants. *See* Ray, Robert D.*

Derotation Osteotomy. *See* Kuhlmann, Raymond F.

Detroit Academy of Orthopaedic Surgery . 475

Device for the Treatment of Torticollis in Infants, A. Vicente Sgandurra 671

Diabetes. *See* Kelly, Patrick J.

Diaphragm, Paralyzed. *See* Nickel, Vernon L. (Elective).

Diaphyseal-Marrow Pressure. *See* Stein, Arthur H., Jr.

Diastasis of the Sacro-Iliac Joints. *See* Bickel, William H.

Digital Shift. *See* Kelikian H. (II).

Dihydroxystilbamidine. *See* Duran, Robert J.

Disability, Judet System of Grading. *See* Stinchfield, Frank E.*

Discoid Lateral Meniscus of the Knee Joint. Nature, Mechanism, and Operative Treatment. Emanuel B. Kaplan 77

Disc Degeneration. *See* Hadley, Lee A.

Disc Herniation. *See* Schlesinger, Philip T.

Discs, Intervertebral.
See Brown, Thornton.
See Lindblom, K.

Disc Tissue, Displacement of. *See* Rogers, William A.

Dislocation of the Atlas or Axis. *See* Lipscomb, Paul R.

Dislocation, Congenital. *See* Kelikian, H. (I).

Dislocation, Dorsal, of the Metacarpophalangeal Joint of the Index Finger. Emanuel B. Kaplan 1081

Dislocation, Elbow. *See* Kelikian, H. (Swivel).

Dislocation of the Hip, Congenital and Poliomyelitic. *See* Nachlas, I. William.

Dislocation, Recurrent of Ankle Joint, Surgical Repair in. Harold G. Lee 828

Dislocation, Retrosternal, of the Clavicle. Allen M. Ferry; Frederick W. Rook; and James H. Masterson 905

Dislocation, Radio-ulnar. *See* Hughston, Jack C.

Dislocation of the Shoulder. *See* Kernwein, Graham A.

Dorsal Dislocation of the Metacarpophalangeal Joint of the Index Finger. Emanuel B. Kaplan 1081

Dorsal Round-Back. *See* Love, Willard H.

Dowel Intervertebral-Body Fusion as Used in Lumbar-Disc Surgery. B. R. Wiltberger 284

Drop-Finger Deformity. *See* Casscells, S. Ward.

Drug Therapy, Combined, and Early Fusion in Bone Tuberculosis, The Results of. Albert R. Allen and Andrey W. Stevenson 32

Dysplasia, Fibro-Osseous. *See* Lenson, Norman.

Dysplasia of the Hip.
See Ilfeld, F. W.
See Nachlas, I. William.

Dystrophy of the Nails. *See* Love, Willard H.

E

Easter Seal Research Foundation 476, 1226

Editorial. Leo Mayer 1408

Effective Laminotomy Rest, An. Louis Scheman and Samuel H. Fraerman 670

Effects of Strontium and Fluoride on the Repair of Unreduced Humeral Fractures in the Adult Rat. William B. Savchuck . . . 140

Eggers Plate. *See* King, Thomas.

Eight Cases of Hereditary Bilateral Medial Tibial Torsion in Four Generations. Johanna Blumel; G. W. N. Eggers; and E. Burke Evans 1198

Elbow
See Anderson, Kirk J.
See Johnson, J. T. H.

Elbow Deformity. *See* Love, Willard H.

Elbow Flexors. *See* Basmajian, J. V.*

Elbow, Fracture-Dislocation of. *See* Kelikian, H. (Swivel).

Elbow Joint, Replacement of. *See* Wiltse, L. L.

Elective Surgery on Patients with Respiratory Paralysis. Vernon L. Nickel; Jacquelin Perry; John E. Affeldt; and Clarence W. Dail 989

Electromyography. *See* Basmajian, J. V.

Electromyography, Clinical, Observations on the Value of. Benjamin L. Crue; Robert H. Pudenz; and C. Hunter Shelden 492

Embolism. *See* Kelly, Patrick J.

Embryology of the Meniscus. *See* Kaplan, Emanuel B. (Knee).*

End Results of Focal Débridement in Bone and Joint Tuberculosis and Its Indications. Eishi Kondo, and Kengo Yamada 27

Enchondral Ossification. *See* Friedenberg, Z. B.

Endoprosthesis.
See Gold, Aaron M.
See Kelikian H. (Swivel).
See Lippmann, Robert K.
See Moore, Austin T.
See Pipkin, Garrett.
See Stinchfield, Frank E.

Eosinophilic Granuloma of the Femoral Shaft Simulating Ewing's Sarcoma. A. H. McKenzie, and F. G. Day 408

Epiphyseal Arrest for the Correction of Discrepancies in Length of the Lower

PAGE

Extremities. William T. Green and Margaret Anderson 853
Epiphyseal-Marrow Pressure. *See* Stein, Arthur H., Jr.
Epiphyseodesis.
See Friedenberg, Z. B.
See Green, William T.
See Heyman, Clarence H.
See Thompson, T. Campbell.
Epiphysis, Arrested Growth at. *See* Ratliff, A. H. C.
Epiphysis, Reaction of the, to Partial Surgical Resection. Z. B. Friedenberg 332
Epiphysis, Slipped Femoral. *See* Heyman, Clarence H.
Ewing's Sarcoma.
See McKenzie, A. H.
See Tracey, J. F.
Ewing's Sarcoma. A Case Report. Maurice A. Bernstein 216
Exchange Fellows 472
Exostoses, Impingement, of the Talus and Tibia. Don H. O'Donoghue 835
Exostosis of the Femur. *See* Stevenson, Clifford A.
Experimental Studies Regarding the Possible Use of Self-Curing Acrylic in Orthopaedic Surgery. L. L. Wiltse; R. H. Hall; and J. C. Stenehjem 961
Experience in Reconstructive Surgery with Patients Having Respiratory Paralysis. Vernon L. Nickel and Wiley L. Renshaw 737
Experiences with the Use of the Milwaukee Frame in the Treatment of Paralytic Scoliosis. C. Edwin Irwin and James B. Wray 1020
External-Rotation Deformity of the Lower Limb. *See* Harty, Michael.
Extensor Tendons, Rupture of. *See* Casscells, S. Ward.
Extremities, Fractures of. *See* Brav, Ernest A.
Extremities, Tumors of. *See* Barber, John R.*

F

Facetectomy. *See* Schlesinger, Philip T.
Familial Osteochondritis Dissecans with Associated Tibia Vara. William J. Tobin 1091
Fascial Grafting. *See* Horst, James R.
Fasciotomy, Plantar. *See* Kuhlmann, Raymond F.
Fatigue Fracture of Prosthesis. *See* Gold, Aaron M.
Femoral Artery. *See* Kelly, Patrick J.
Femoral Artery Reconstruction in a Patient with a Compound Fracture of the Femur. John P. West; Edward M. Winant; and Charles R. Blair 1394
Femoral Epiphysis, Fragmentation of. *See* Ilfeld, Frederic W.

PAGE

Femoral Epiphysis, Slipped, with Severe Displacement. A Conservative Operative Treatment. Clarence H. Heyman; Charles H. Herndon; and Joseph M. Strong 293
Femoral Fractures in Osteopetrosis. *See* Breck, Louis W.
Femoral Head.
See Heyman, Clarence H.
See Urist, Marshall R.
Femoral Head, Absorption of. *See* Aufranc, Otto E.
Femoral Intramedullary Nail, A. A. Pavlík 1059
Femoral Marrow Pressure. *See* Stein, Arthur H., Jr.*
Femoral Neck.
See Harty, Michael.*
See Lippmann, Robert K.
Femoral Neck, Tuberculosis of, in Childhood. A. H. C. Ratliff 1365
Femoral Shaft. *See* McKenzie, A. H.
Femoral-Shaft Shortening, A Technique for. Bruce M. Cameron 1309
Femoral Shortening. *See* Friedenberg, Z. B.
Femur.
See Durnin, William G.
See Kaplan, Emanuel B.
See King, Thomas.
See Leao, Luiz.
See Lichtenstein, Louis.
See Moore, Austin T.
See Stevenson, Clifford A.
Femur, Anatomy of. *See* Harty, Michael.*
Femur, Fracture of.
See Brav, Ernest A.
See Breck, Louis W.
See Harty, Michael.
See Pavlík, A.
See Pipkin, Garrett.
See West, John P.
Fibroblastic Osteogenic Sarcoma. *See* Coventry, Mark B.
Fibrocartilage. *See* Urist, Marshall R.
Fibrocartilaginous Band. *See* Thompson, T. Campbell.*
Fibromyxosarcoma. *See* Barber, John R.
Fibro-osseous Dysplasia of the Skull. A Case Report. Norman Lenson 651
Fibrosarcoma.
See Barber, John R.
See Tracey, J. F.
Fibula.
See King, Thomas.
See Meyers, Marvin H.
Fibula, Congenital Absence of the. T. Campbell Thompson; Lee Ramsay Straub; and William D. Arnold 1229
Finger Deformities.
See Casscells, S. Ward.
See Kelikian H. (I).*
See Kelikian, H. (II).*
Finger Deformities Caused by Rheuma-

PAGE

toid Arthritis. Veikko A. I. Laine; Eero Sairanen; and Kauko Vainio 527

Finger Index. *See* Kaplan, Emanuel B. (Finger).

Fingernail Deformity. *See* Love, Willard H.*

Flaccidity, Muscular. *See* Keats, Sidney.

Flat-Foot.
See Love, Willard H.
See Westin, G. Wilbur.

Flexion Contracture, Finger. *See* Cassells, S. Ward.

Flexor Profundus Tendon. *See* Metcalf, William.

Foot.
See Booher, Robert J.
See Broder, Harold M.
See Fried, Amnon.
See Kuhlmann, Raymond F.
See Love, Willard H.
See Straub, Lee Ramsay.

Foot Deformities. *See* Westin, G. Wilbur.

Foot, Paralytic. *See* Straub, Lee Ramsay.*

Foraminotomy. *See* Schlesinger, Philip T.

Forearm Deformity. *See* Hughston, Jack C.

Forearm, Fractures of.
See Brav, Ernest A.
See Smith, Hugh.

Forearm, Pronation and Supination of. *See* Basmajian, J. V.

Fracture about the Ankle Joint with Fixed Displacement of the Proximal Fragment of the Fibula behind the Tibia. Marvin H. Meyers 441

Fracture of Acetabular Rim. *See* Pipkin, Garrett.

Fracture of Acetabulum. *See* Urist, Marshall R.

Fracture of the Atlas or Axis. *See* Lipscomb, Paul R.

Fracture of the Clavicle. *See* Ferry, Allen M.

Fracture-Dislocation of Atlas and Axis. *See* Lipscomb, Paul R.

Fracture-Dislocation of the Cervical Spine. *See* Boylston, Bedford F.

Fracture-Dislocation, Elbow. *See* Kelikian, H. (Swivel).

Fracture-Dislocation, Grade IV, of the Hip, Treatment of. A Review. Garrett Pipkin 1027

Fracture of the Distal Radial Shaft. Mistakes in Management. Jack C. Hughston 249

Fracture, Forearm. *See* Smith, Hugh.*

Fracture, Femoral.
See Durnin, William G.
See Harty, Michael.
See Moore, Austin T.
See Pavlik, A.
See Pipkin, Garrett.

Fracture of the Femur, Femoral Artery Reconstruction in a Patient with a Compound. John P. West; Edward M. Winant; and Charles R. Blair 1394

Fracture of the Femur in Osteopetrosis. *See* Breck, Louis W.

Fracture of the First Rib. *See* Ferry, Allen M.

Fractures following Ultrasound. *See* Ardan, Nicholas I., Jr.*

Fracture, Humeral. *See* Campbell, Crawford J.

Fracture, Intertrochanteric. *See* Durnin, William G.

Fracture, Intracapsular. *See* Lippmann, Robert K.

Fracture Preceding Sarcoma in Paget's Disease. *See* Porretta, Charles A.

Fracture Repair. *See* Savchuck, William B.

Fracture of the Sternum. *See* Ferry, Allen M.

Fractures and Dislocations of the Cervical Spine. An End-Result Study. William A. Rogers 341

Fractures of the Extremities, Further Evaluation of the Use of Intramedullary Nailing in the Treatment of. Ernest A. Brav 513

Fungous Disease.
See Duran, Robert J.
See Webster, Frederick S.

Further Evaluation of the Use of Intramedullary Nailing in the Treatment of Gunshot Fractures of the Extremities. Ernest A. Brav 513

Fusion, Cervico-Occipital. *See* Lipscomb, Paul R.

Fusion of Sacro-Iliac Joints. *See* Bickel, William H.

Fusion, Spine. *See* Spine Fusion.

Fusion, Spontaneous. *See* Rogers, William A.

G

Ganglion. *See* Leao, Luiz.

Ganglioneuromata in Bone. Report of a Case. M. C. Wilber, and John A. Woodcock 1385

Gangrene, Gas. *See* Bruner, Julian M.

Gastrocnemius. *See* Ferguson, Albert B., Jr.

Genito-urinary Tuberculosis. *See* Weinberg, Joseph A.

Genu Valgum.
See Love, Willard H.
See Thompson, T. Campbell.

Georgia Orthopedic Society 1440

Giant-Cell Tumor.
See Booher, Robert J.
See Gold, Aaron M.
See Kelikian, Hampar.
See Leao, Luiz.
See Schobinger, Robert.*
See Tracey, J. F.

PAGE

Giant-Cell Tumor of Cervical Vertebra with Unusual Symptoms. Report of a Case. Eugene M. Regen and Arnold Haber, Jr. ... 196
Giant-Cell Tumor, Malignant. *See* Tracey, J. F.
Giant-Cell Tumor of the Patella. Hampar Kelikian and Irvin Clayton ... 414
Giant-Cell Tumor, Recurrent. *See* Gold, Aaron M.
Gibney, Virgil P. *See* Cleveland, Mather.
Glycoprotein Matrix. *See* Durning, W. Colin.
Goldthwait Brace. *See* Norton, Paul L.
Gordon Research Conferences ... 474
Graft, Bone.
See Bruner, Julian M.
See Enneking, William F.
See LoGrippo, Gerald A.
See Maatz, Richard.*
See Ray, Robert D.
See Wiltberger, B. R.
Graft, Fascial. *See* Horst, James R.
Graft, Homogenous Bone. *See* Cohen, Jonathan.
Graft, Single Iliac-Bone, to Replace Multiple Metacarpal Loss in Dorsal Injuries of the Hand, Use of. Julian M. Bruner ... 43
Graft, Skin. *See* Metcalf, William.
Granuloma, Eosinophilic. *See* McKenzie, A. H.
Granuloma, Rheumatoid. *See* Laine, Veikko A. I.
Greifensteiner's Method. *See* King, Thomas.
Growth, Effect of Spine Fusion on. *See* Hallock, Halford.*

H

Hamstring Tenotomy. *See* Phelps, Winthrop M.
Hand.
See Bruner, Julian M.
See Carroll, Robert E.
See Casscells, S. Ward.
See Duran, Robert J.
See Greene, Mark H.
See Kaplan, Emanuel B. (Finger).
See Kelikian H. (I), (II).
See Laine, Veikko A. I.
See Lentino, Walter.
See Love, Willard H.
See Metcalf, William.
See Zancolli, Eduardo A.
Hand, Carcinoma of. *See* Greene, Mark H.*
Hand, Congenital Anomalies of the. Part I. H. Kelikian and Ara Doumanian ... 1002
Hand, Congenital Anomalies of the. Part II. H. Kelikian and Ara Doumanian ... 1249
Hand Deformities. *See* Laine, Veikko A. I.*
Hand Injury, The Surgical, Social and Economic Aspects of a Unit. William Metcalf and William Whalen ... 317

PAGE

Hand Injuries. *See* Bruner, Julian M.
Hand, Malignant Tumor of the. *See* Carroll, Robert E.*
Hand, Sporotrichosis of. *See* Duran, Robert J.*
Haversian Canals. *See* Enneking, William F.
Haversian System, Necrosis of. *See* Sherman, Mary S.
Heel-Cord Lengthening.
See Kuhlmann, Raymond F.*
See Phelps, Winthrop M.*
Heel-Cord Shortening. *See* Westin, G. Wilbur.
Hemangioma. *See* Kelikian, H. (I).
Hematogenous Infection of Closed Fractures with *Mycobacterium tuberculosis*. Panayiotis Smyrnis ... 902
Hemilaminectomy. *See* Schlesinger, Philip T.
Hemiplegia. *See* Crue, Benjamin L.
Hemothorax. *See* Ferry, Allen M.
Heterotopic Ossification.
See Coventry, Mark B.*
See Johnson, J. T. H.*
Hip.
See Heyman, Clarence H.
See Lippmann, Robert K.
See Makin, Myer.
See Urist, Marshall R.
Hip, Congenital Dislocation. *See* Ilfeld, F. W.
Hip Deformity. *See* Keats, Sidney.
Hip Disease. *See* Cleveland, Mather.
Hip Disease, Old. *See* Pavlík, A.
Hip Dislocation. *See* Nachlas, I. William.
Hip, Fracture-Dislocation of. *See* Pipkin, Garrett.*
Hip, Mold Arthroplasty of. *See* Aufranc, Otto E.*
Hip-Nail Index. W. J. Rogers, III ... 1206
Hip, Movements of. *See* Harty, Michael
Hip Prosthesis, The Self-Locking Metal. Austin T. Moore ... 811
Hip, Tuberculosis of.
See Ratcliff, A. H. C.
See Kondo, Eishi.
Hip, Tuberculosis in Closed Fractures of. *See* Smyrnis, Panayiotis.*
Histiocytosis, Non-Lipoid. *See* McKenzie, A. H.
Histological Investigation of Bone Transplants in Immunologically Prepared Animals. William F. Enneking ... 597
Homogenous Bone Grafts.
See Cohen, Jonathan.
See Ray, Robert D.*
See Enneking, William F.
Humeral Head, Comminuted Fractures and Fracture-Dislocations Involving the Articular Surface of the. Robert A. Knight Juan A. Mayne ... 1343
Humerus. *See* King, Thomas.

PAGE

Humerus, Fracture of. *See* Brav, Ernest A.
Hydroxyapatite. *See* Robinson, Robert A.
Hyperplasia of the Lower Extremity. *See* Pavlík, A.
Hyponephroma, Metatastic. *See* Campbell, Crawford J.
Hypoplasia. *See* Thompson, T. Campbell.
Hypoplasia of the Patella. *See* Love, Willard H.

I

Icterus. *See* Leao, Luiz.
Iliac-Bone Grafts. *See* Wiltberger, B. R.
Iliac Horns. *See* Love, Willard H.
Immobilizing Efficiency of Back Braces, The. Their Effect on the Posture and Motion of the Lumbosacral Spine. Paul L. Norton and Thornton Brown 111
Impingement Exostoses of the Talus and Tibia. Don H. O'Donoghue 835
Indexing. *See* Southwick, Wayne O.
Infection of Closed Fractures. *See* Smyrnis, Panayiotis.
Infection of Fracture Wounds. *See* Brav, Ernest A.
Inflammatory Response. *See* Enneking, William F.
Inorganic Bone Salts. *See* Ray, Robert D.
Integrated Actions and Functions of the Chief Flexors of the Elbow. A Detailed Electromyographic Analysis. J. V. Basmajian and A. Latif 1106
Intracapsular Fracture of Neck of Femur. *See* Stinchfield, Frank E.
Intramedullary-Canal Pressure. *See* Stein, Arthur H., Jr.
Intramedullary Fixation of Fractures of the Femur in a Case of Osteopetrosis. Louis W. Breck; Robert C. Cornell; and John E. Emmett 1389
Intramedullary Nailing. *See* Brav, Ernest A.
Intramedullary Nailing, Femoral. *See* Pavlík, A.*
Intramedullary Wire Fixation of Mallet-Finger. S. Ward Casscells and Theodore B. Strange 521
Internal Fixation. *See* Harty, Michael.*
Internal Fixation, Metallic. *See* Kelikian, H. (Swivel).
International Cancer Congress 736
International Congress on Rheumatic Diseases 232, 475
International Poliomyelitis Congress 473
International Society for the Welfare of Cripples 437
International Society of Orthopaedic Surgery and Traumatology 232, 475
Interphalangeal Fusion. *See* Straub, Lee Ramsay.
Intrinsic Muscles. *See* Zancolli, Eduardo A.
Intertrochanteric Fractures and Fractures of the Neck of the Femur; An Angled Guide-Wire Director for Use in Treatment of. William G. Durnin 1203
Intervertebral-Body Fusion, Dowel, as Used in Lumbar-Disc Surgery. B. R. Wiltberger 284
Intervertebral-Disc Degeneration Considered as a Pressure Atrophy. K. Lindblom 933
Intervertebral Disc Changes. *See* Fielding, J. William.
Intervertebral Discs. *See* Brown, Thornton.
Irradiation-Produced Tumors. *See* Carroll, Robert E.
Ischaemia. *See* Kelly, Patrick J.
Isonicotinic Acid Hydrazide. *See* Allen, Albert R.
Isotopes, Radioactive. *See* Cohen, Jonathan.

J

Jefferson's Fracture. *See* Rogers, William A.
Jones Procedure. *See* Knight, Robert A.
Judet Prosthesis.
See Lippmann, Robert K.
See Stinchfield, Frank E.*

K

Kappa Delta Award 736
Kirschner Wire. *See* King, Thomas.
Knee.
See Arzimanoglu, Anthony.*
See Horst, James R.
See Leao, Luiz.
See Kaplan, Emanuel B. (Knee) *
See Kelikian, Hampar.
See Makin, Myer.
See Stevenson, Clifford A.
See Webster, Frederick S.
Knee, Ligaments of. *See* Fenton, Richard L.
Knee, Meniscus Lesions of the, in Children. Robert C. Abrams 194
Knock-Knee in Rats. *See* Goff, Charles W.
Kuntscher's Nail. *See* Pavlík, A.
Kyphosis. *See* Lindblom, K.
Kyphosis, Dorsal, in Rats. *See* Goff, Charles W.

L

Laboratory Animals, Bipedal. *See* Goff, Charles W.
Laminotomy Rest, An Effective. Louis Scheman and Samuel H. Fraerman 670
Length Discrepancies, Lower Extremities. *See* Green, William T.*
Letter to Editor. H. H. Boucher 1407
Letter to Editor. Charles W. Goff 1407
Ligament of Wrisberg. *See* Kaplan, Emanuel B. (Knee.)
Ligamentous Contraction. *See* Laine, Veikko A. I.
Ligamentous Relaxation. *See* Tobin, William J.

PAGE

Ligamentous Release. *See* Kuhlmann, Raymond F.
Ligaments, Clavicular. *See* Ferry, Allen M.
Ligamentum Flavum. *See* Brown, Thornton.
Ligamentum Teres. *See* Urist, Marshall R.
Limb-Length Discrepancy. *See* Thompson, T. Campbell.*
Lipoma, Bilateral Arborescent, of the Knee. A Case Report. Anthony Arzimanoglu 976
Lobectomy. *See* Goldenberg, Raphael R.
Long-Term Results in the Bucket-Handle Acetabuloplasty. I. William Nachlas 309
Long-Term Results of Orthopaedic Surgery in Cerebral Palsy. Winthrop M. Phelps 53
Low-Back Pain. *See* Norton, Paul L.
Low Lumbar Nerve-Root Compression and Adequate Operative Exposure. Philip T. Schlesinger 541
Lower Extremities, Discrepancies in Length. *See* Green, William T.*
Lumbar Disc Surgery. *See* Wiltberger, B. R.
Lumbar Intervertebral Disc, Herniation of. *See* Crue, Benjamin L.
Lumbar Spine. *See* Southwick, Wayne O.
Lumbosacral Spine, Effect of Shoe Heels on Statics of. *See* Lindblom, K.
Lumbosacral Spine, Some Mechanical Tests, with Particular Reference to the Intervertebral Discs. A Preliminary Report. Thornton Brown; Robert J. Hansen; and Alvin J. Yorra 1135
Lunate, Dislocation of. *See* Lentino, Walter.
Luschka Joints. *See* Hadley, Lee A.
Lymphatics, Perineural. *See* Barber, John R.

M

Mallet-Finger, Intramedullary Wire Fixation of. S. Ward Casscells and Theodore B. Strange 521
Malta Fever. *See* Makin, Myer.
Management of Congenital Dislocation and Dysplasia of the Hip by Means of a Special Splint, The. Frederic W. Ilfeld . . . 99
Mantle Epithelial Cells. *See* Durning, W. Colin.
Marble Bones. *See* Breck, Louis W.
Massive Familial Tarsal Synostosis. Frank A. Bersani and Robert L. Samilson 1187
Medical Education Week 476
Medullary Fibrosis. *See* Ardan, Nicholas I., Jr.
Medullary Fixation of Forearm Fractures. Hugh Smith and Fred P. Sage 91
Meningioma, Angiomatous. *See* Campbell, Crawford J.
Meniscofemoral Ligament. *See* Kaplan, Emanuel B. (Knee).
Meniscus, Discoid Lateral, of the Knee Joint. Nature, Mechanism, and Operative Treatment. Emanuel B. Kaplan . . 77
Meniscus Lesions of the Knee in Children. Robert C. Abrams 194
Meniscus, Repair of. *See* Fenton, Richard L.
Metacarpal Deformity. *See* Kelikian H. (II).
Metacarpal Loss. *See* Bruner, Julian M.
Metacarpophalangeal Joint.
See Kaplan, Emanuel B. (Finger).
See Zancolli, Eduardo A.
Metatarsal, Aneurysmal Bone Cyst of a. A Case Report. Robert J. Booher 435
Metastatic Osteogenic Sarcoma in the Hand. *See* Carroll, Robert E.
Metastasis, Lymphatic. *See* Barber, John R.
Metastasis, Pulmonary. *See* Goldenberg, Raphael R.
Metastasis of Pulmonary Carcinoma to the Phalanges of the Hand. Mark H. Greene 972
Method of Bone Maceration, A. Results in Animal Experiments. Richard Maatz and Armin Bauermeister 153
Methyl Methacrylate. *See* Wiltse, L. L.
Mid-Central States Orthopaedic Society 986, 1440
Milwaukee Frame. *See* Irwin, C. Edwin.*
Mineralization of Bone. *See* Savchuck, William B.*
Mono-Articular Brucellar Arthritis. Myer Makin; Isidor Alkalaj; and R. Rozansky . . . 1183
Muscle Atrophy. *See* Crue, Benjamin L.
Muscle Contracture. *See* Keats, Sidney.
Muscle Flaccidity. *See* Keats, Sidney.
Muscle Imbalance. *See* Westin, G. Wilbur.
Muscle, Skeletal. *See* Ferguson, Albert B., Jr.
Muscle Spasticity. *See* Keats, Sidney.
Muscle Transfer.
See Fried, Amnon.
See Kelikian, H. (Swivel).
Muscle Tunnel. *See* Brav, Ernest A.
Muscles, Hand. *See* Bruner, Julian M.
Muscles, Hip. *See* Keats, Sidney.
Muscles, Respiratory. *See* Nickel, Vernon L. (Elective).
***Mycobacterium tuberculosis*, Hematogenous Infection of Closed Fractures with.** Panayiotis Smyrnis 902
Myelography.
See Crue, Benjamin L.
See Lindblom, K.
Myeloma, Multiple. *See* Tracey, J. F.
Myositis Ossificans, Atypical. J. T. H. Johnson 189
Myostatic Contracture. *See* Ferguson, Albert B., Jr.

N

Nailing, Intramedullary.
See Brav, Ernest A.
See Pavlík, A.*

PAGE

National Foundation for Infantile Paralysis 1440
National Society for Crippled Children and Adults, The 473
Necrosis. *See* Enneking, William F.
Necrosis, Avascular. *See* Knight, Robert A.
Nerves, Peripheral. *See* Barber, John R.
Nerve-Root, Low Lumbar, Compression and Adequate Operative Exposure. Philip T. Schlesinger 541
Nerve-Root Pressure. *See* Rogers, William A.
Nerve Roots. *See* Crue, Benjamin L.
Nerve Roots, Cervical. *See* Hadley, Lee A.
Neuritis. *See* Barber, John R.
Neurectomy.
See Kuhlmann, Raymond F.
See Phelps, Winthrop M.*
Neurectomy, Selective Obturator. *See* Keats, Sidney.*
Neurofibroma. *See* Barber, John R.
Neuromuscular Dysfunction. *See* Green, William T.
Neuromyelitis. *See* Crue, Benjamin L.
Neurorrhaphy. *See* Zancolli, Eduardo A.
New Jersey Orthopaedic Society 232
News Notes 232, 468, 736, 986, 1225, 1440
Nicola Tenodesis. *See* Knight, Robert A.
Nodules, Tendon. *See* Laine, Veikko A. I.
Non-Union.
See Brav, Ernest A.
See Smith, Hugh
Non-Union of Fractured Head of Femur.
See Stinchfield, Frank E.
Nucleus Pulposus.
See Brown, Thornton.
See Lindblom, K.

O

Obituaries.
Sterling Bunnell 1409
Harold Russell Conn 1417
Alexander Gibson 231
Roland E. Hammond 1415
Samuel Kleinberg 1412
Charles D. Napier 1225
Hiram Winnett Orr 466
Robert Bayley Osgood 726
George Waggoner 1414
John Cree Wilson, Sr. 734
Oblique Roentgenographic Views of the Cervical Spine in Flexion and Extension. An Aid in the Diagnosis of Cervical Subluxations and Obscure Dislocations. Bedford F. Boylston 1302
Observations on the Value of Clinical Electromyography. Benjamin L. Crue; Robert H. Pudenz; and C. Hunter Shelden. 492
Obturator Neurectomy. *See* Keats, Sidney.
Occiput.
See Fielding, J. William.
See Lipscomb, Paul R.

PAGE

Occlusive Vascular Disease, Criteria for Determining the Proper Level of Amputation in. A Review of 323 Amputations. Patrick J. Kelly and Joseph M. Janes 883
Odontoid Process. *See* Fielding, J. William.
Odontoid Process, Anomalies of.
See Blair, John D.
See Lipscomb, Paul R.
Odontoid Process, Fracture of. *See* Rogers, William A.
Olecranon Process. *See* Anderson, Kirk J.
Omovertebral Bone. *See* Blair, John D.
Onycho-arthro-osteodysplasia. *See* Love, Willard H.
Organic Matrix of Bone.
See Ray, Robert D.
See Robinson, Robert A.
Orthopaedic Research and Education Foundation, The 472
Orthopaedic Surgery, Yesterday and Tomorrow. [Presidential Address. The American Academy of Orthopaedic Surgeons.] William T. Green 675
Os Purum. *See* Maatz, Richard.
Ossification. *See* Savchuck, William B.
Osteitis Deformans. *See* Carroll, Robert E.
Osteo-Arthritis.
See Lippmann, Robert K.
See Nachlas, I. William.
Osteo-Arthritis of the Hip. *See* Stinchfield, Frank E.
Osteoblastic Osteogenic Sarcoma. *See* Coventry, Mark B.
Osteochondritis Dissecans, Familial, with Associated Tibia Vara. William J. Tobin. 1091
Osteochondroma. *See* Stevenson, Clifford A.
Osteochondrosis Deformans. *See* Tobin, William J.*
Osteoclastoma of the Femur. Report of a Case. Luiz Leao 421
Osteogenic Sarcoma.
See Campbell, Crawford J.
See Carroll, Robert E.
See Coventry, Mark B.
See Porretta, Charles A.
See Goldenberg, Raphael R.
See Tracey, J. F.
Osteogenic Sarcoma. A Critical Analysis of 430 Cases. Mark B. Coventry and David C. Dahlin 741
Osteogenic Sarcoma in the Hand. Robert E. Carroll 325
Osteogenic Sarcoma of the Tibia with Pulmonary Metastasis. Report of a Case with Ten-Year Survival. Raphael R. Goldenberg 1191
Osteogenesis.
See Ardan, Nicholas I., Jr.
See King, Thomas.
Osteoid Calcification. *See* Robinson, Robert A.

PAGE

Osteoma. *See* Lenson, Norman.
Osteomyelitis. *See* Tracey, J. F.
Osteomyelitis of the Hip. *See* Pavlík, A.
Osteo-onychodysplasia. Willard H. Love and David D. Beiler 645
Osteopetrosis, Intramedullary Fixation of Fractures of the Femur in a Case of. Louis W. Breck; Robert C. Cornell; and John E. Emmett 1389
Osteoplasty. *See* Heyman, Clarence H.
Osteophytes. *See* Hadley, Lee A.
Osteophytes, Marginal. *See* O'Donoghue, Don H.
Osteotomy.
See Phelps, Winthrop M.
See Westin, G. Wilbur.
Overbite. *See* Irwin, C. Edwin.

P

Paget's Disease of Bone, Sarcoma in. Charles A. Porretta; David C. Dahlin; and Joseph M. Janes 1314
Paget's Disease, Osteogenic Sarcoma in. *See* Coventry, Mark B.
Paleopathological Evidence Suggesting Pre-Columbian Tuberculosis of the Spine. Joseph Lichtor and Alexander Lichtor 1398
Palmar Cleft. *See* Kelikian H. (I).*
Palsy, Cerebral. *See* Cerebral Palsy.
Pan-Pacific Surgical Association 232
Parabiosis. *See* Enneking, William F.
Paralysis due to Cervical-Spine Injury. *See* Nickel, Vernon L. (Reconstructive).
Paralysis of the Intrinsic Muscles, Claw-Hand Caused by. A Simple Surgical Procedure for its Correction. Eduardo A. Zancolli 1076
Paralysis, Respiratory, Experience in Reconstructive Surgery with Patients Having. Vernon L. Nickel and Wiley L. Renshaw 737
Paralytic Foot. *See* Straub, Lee Ramsay.*
Paralytic Valgus Deformity of the Ankle. Replacement of the Paralyzed Tibialis Posterior by the Peronaeus Longus. Amnon Fried and Carlos Hendel 921
Paralytic Scoliosis. *See* Irwin, C. Edwin.*
Paraminosalicylic Acid. *See* Allen, Albert R.
Paraplegia. *See* Keats, Sidney.
Paresis. *See* Leao, Luiz.
Patella. *See* Kelikian, Hampar.
Patella, Fracture of. *See* Horst, James R.
Patellar Deformity. *See* Love, Willard H.*
Patellectomy and Fascial Grafting in Certain Cases of Long Standing Disruption of the Quadriceps Mechanism. A Case Report and Review of the Literature. James R. Horst and William H. Harris 403
Patten Brace. *See* Thompson, T. Campbell.
Pectoral Cineplasty. *See* Brav, Ernest A.

PAGE

Pedicle Grafts.
See Bruner, Julian M.
See Metcalf, William.
Pelvic Obliquity. *See* Irwin, C. Edwin.
Periosteal New Bone. *See* Enneking, William F.
Peripheral-Nerve Lesions. *See* Crue, Benjamin L.
Peroneal Tendons. *See* Thompson, T. Campbell.
Pes Planus. *See* Love, Willard H.
Phalanges, Carcinoma of. *See* Greene, Mark H.
Phalanges, Malignant Tumors of. *See* Carroll, Robert E.
Phalanges, Wire Fixation of. *See* Casscells, S. Ward.*
Phalanx, Distal, Amputation or Injury of. *See* Metcalf, William.
Piedmont Orthopaedic Society, The. *See* Hughston, Jack C.
Pill-Roller Hand. *See* Laine, Veikko A. I.
Plantar Fasciitis. *See* Eggers, G. W. N.
Plexus Injury. *See* Crue, Benjamin L.
Poliomyelitis.
See Crue, Benjamin L.
See Fried, Amnon.
See Nickel, Vernon L. (Reconstructive).
See Nickel, Vernon L. (Elective).
See Pavlík, A.
See Silver, Caroll M.
See Straub, Lee Ramsay.
See Westin, G. Wilbur.
Polydactylism, Phylogenetic. *See* Kelikian, H. (I).
Polymerization, Heat of. *See* Wiltse, L. L.*
Popliteal Artery.
See Kelly, Patrick J.
See Stevenson, Clifford A.
Popliteus. *See* Kaplan, Emanuel B. (Knee).
Posture. *See* Norton, Paul L.
Potassium Iodide. *See* Duran, Robert J.
Presidential Address. [The American Academy of Orthopaedic Surgeons.] William T. Green 675
President's Address. [The American Orthopaedic Association.] David M. Bosworth . . . 1420
Pressure Atrophy, Intervertebral-Disc Degeneration Considered as a. K. Lindblom 933
Pressures, Bone-Marrow. *See* Stein, Arthur H., Jr.*
Primary Malignant Tumors of Bone. J. F. Tracey; H. H. Brindley; and R. A. Murray . 554
Principles of Hip-Socket Arthroplasty, The. Marshall R. Urist 786
Proceedings.
Alabama Orthopaedic Society 461, 725
American Academy for Cerebral Palsy 1219
American Academy of Orthopaedic Surgeons, The 673

PAGE

American Medical Association. Section on Orthopaedic Surgery ... 221
American Orthopaedic Association, The ... 1419
American Society for Surgery of the Hand ... 716
Boston Orthopedic Club ... 983
Fiftieth Anniversary. Hospital for Joint Diseases ... 1213
North Carolina Orthopaedic Association ... 1223
Polish Society of Orthopaedics and Traumatology ... 461
Southern Medical Association. Section on Orthopaedic and Traumatic Surgery ... 462
Western Orthopedic Association ... 447

Procedure for Bone Sterilization with Beta-Propiolactone. Gerald A. LoGrippo; Bruno Burgess; Rosario Teodoro; and Joseph L. Fleming ... 1356

Prosthesis, Cineplastic. *See* Brav, Ernest A.*

Prosthesis for the Distal Portion of the Radius. *See* Gold, Aaron M.

Prosthesis, Hip.
See Moore, Austin T.*
See Lippmann, Robert K.*
See Stinchfield, Frank E.*

Prosthesis, Radio-Ulnar. *See* Kelikian, H. (Swivel).*

Prostheses.
See Brav, Ernest A.
See Gold, Aaron M.
See Kelly, Patrick J.
See Kelikian, H. (Swivel).
See Lippmann, Robert K.
See Moore, Austin T.
See Stinchfield, Frank E.
See Wiltse, L. L.

Psoas Abscess. *See* Southwick, Wayne O.

Pulmonary Carcinoma. *See* Greene, Mark H.*

Pulmonary Tuberculosis. *See* Weinberg, Joseph A.

Q

Quadriplegia.
See Keats, Sidney.
See Rogers, William A.

Quadriceps Femoris, Exercises of. *See* Fenton, Richard L.

Quadriceps Femoris Weakness. *See* Love, Willard H.

Quadriceps Mechanism, Disruption of. *See* Horst, James R.

R

Radiation Therapy. *See* Regen, Eugene M.

Radiculitis. *See* Hadley, Lee A.

Radioactive Calcium Tracer Studies in Bone Grafts. Jonathan Cohen; Constantine J. Maletskos; John H. Marshall; and James B. Williams ... 561

PAGE

Radio-Isotopes. *See* Carlström, Diego G.

Radio-Ulnar Synostosis. *See* Kelikian, H. (Swivel).

Radius.
See Gold, Aaron M.
See King, Thomas.

Radius, Fractures of. *See* Smith, Hugh.

Rays, Absence of. *See* Thompson, T. Campbell.

Reaction of the Epiphysis to Partial Surgical Resection. Z. B. Friedenberg ... 332

Reconstructive Surgery. *See* Nickel, Vernon L. (Reconstructive).*

Recurrent Giant-Cell Tumor, Use of a Prosthesis for the Distal Portion of the Radius Following Resection of. Aaron M. Gold ... 1374

Recurrent Subluxation of the Shoulder. *See* Kernwein, Graham A.

Rehabilitation of Amputees. *See* Brav, Ernest A.

Repair of a Defect in the Shell of the Snail *Helix aspersa*. W. Colin Durning ... 377

Replacement of the Femoral Head by Judet or Austin Moore Prosthesis. Frank E. Stinchfield; Bernard Cooperman; and Cyril E. Shea, Jr. ... 1043

Report of the Visit of the 1957 American and Canadian Traveling Fellows to Great Britain. J. William Fielding ... 1207

Respiratory Equipment.
See Nickel, Vernon L. (Reconstructive).
See Nickel, Vernon L. (Elective).

Respiratory Paralysis, Elective Surgery on Patients with. Vernon L. Nickel; Jacquelin Perry; John E. Affeldt; and Clarence W. Dail ... 989

Responsibilities of the Medical Profession in the Use of X-Rays and Other Ionizing Radiation, *Comments on*. William B. Looney ... 982

Results of Combined Drug Therapy and Early Fusion in Bone Tuberculosis, The. Albert R. Allen and Andrey W. Stevenson ... 32

Reticulum-Cell Sarcoma. *See* Tracey, J. F.

Retrosternal Dislocation of the Clavicle. Allen M. Ferry; Frederick W. Rook; and James H. Masterson ... 905

Retrosternal Dislocation of the Clavicle. Arthur H. Stein, Jr. ... 656

Rheumatoid Arthritis. *See* Urist, Marshall R.

Rheumatoid Arthritis, Finger Deformities Caused by. Veikko A. I. Laine; Eero Sairanen; and Kauko Vainio ... 527

Rheumatoid Spondylitis. *See* Bickel, William H.

Ribonucleic Acid. *See* Durning, W. Colin.

Ridlon, John. *See* Cleveland, Mather.

Rocker-Bottom Deformity. *See* Kuhlmann, Raymond F.

PAGE

Roentgen Therapy.
See Lichtenstein, Louis.
See Looney, William B.
Roentgenographic Technique.
See Boylston, Bedford F.
See Campbell, Crawford J.*
See Fielding, J. William.
See Lentino, Walter.
Rotator-Cuff Mechanism. *See* Knight, Robert A.
Rotator-Cuff, Rupture of. *See* Kernwein, Graham A.
Rupture of the Triceps Tendon. Kirk J. Anderson and John F. LeCocq 444

S

Sacro-Iliac Joints, True Diastasis of, with Hypermobility. William H. Bickel and Joseph O. Romness 1381
Sacrum. *See* Schlesinger, Philip T.
Sarcoma, Ewing's. A Case Report. Maurice A. Bernstein 216
Sarcoma in Paget's Disease of Bone. Charles A. Porretta; David C. Dahlin; and Joseph M. Janes 1314
Sarcomata, Soft-Tissue, of the Extremities along Peripheral-Nerve Trunks, The Spread of. John R. Barber; Mark B. Coventry; and John R. McDonald 534
Sarcolemma Cells. *See* Ferguson, Albert B., Jr.
Scapula, Bilateral Undescended, Associated with Omovertebral Bone. Report of a Case. John D. Blair and Paul O. Wells 201
Scapulohumeral Muscles. *See* Kernwein, Graham A.
Schaffer, Newton. *See* Cleveland, Mather.
Sciatica. *See* Schlesinger, Philip T.
Scoliosis.
See Lindblom, K.
See Love, Willard H.
See Nickel, Vernon L. (Reconstructive).
Scoliosis, Paralytic, Experiences with the Use of the Milwaukee Frame in the Treatment of. C. Edwin Irwin and James B. Wray 1020
Self-Locking Metal Hip Prosthesis, The. Austin T. Moore 811
Semitendinosus Tendon, Transfer of. *See* Fenton, Richard L.
Shelf Operation. *See* Nachlas, I. William.
Shoe Pad for Treatment of Calcaneal Spur. G. W. N. Eggers 219
Shortening, Femoral. *See* Pavlík, A.
Shoulder. *See* Knight, Robert A.*
Shoulder Dislocation. *See* Stein, Arthur H., Jr.
Shoulder, Flexion of. *See* Basmajian, J. V.
Shoulder Joint, Arthrographic Studies of the. Graham A. Kernwein; Bertil Roseberg; and William R. Sneed, Jr. 1267

PAGE

Sinus, Tuberculous. *See* Weinberg, Joseph A.
Skeletal-Age Standards. *See* Green, William T.*
Skeletal Metastases. *See* Porretta, Charles A.
Skeletal Muscle in the Rabbit, A Study of Disuse Atrophy of. Albert B. Ferguson, Jr.; Laverne Vaughan; and Lawrence Ward 583
Skin-Grafting.
See Bruner, Julian M.
See Kelikian, H. (I).
See Kelikian, H. (II).
Skull, Fibro-Osseous Dysplasia of the. A Case Report. Norman Lenson 651
Skull Traction. *See* Rogers, William A.
Slipped Femoral Epiphysis with Severe Displacement. A Conservative Operative Treatment. Clarence H. Heyman; Charles H. Herndon; and Joseph M. Strong 293
Snapping-Finger. *See* Laine, Veikko A. I.
Some Aspects of the Ultrastructure of Bone. Diego G. Carlström 622
Some Mechanical Tests on the Lumbosacral Spine with Particular Reference to the Intervertebral Discs. A Preliminary Report. Thornton Brown; Robert J. Hansen; and Alvin J. Yorra 1135
Spasticity.
See Keats, Sidney.
See Phelps, Winthrop M.*
Spine.
See Brown, Thornton.
See Boylston, Bedford F.
See Fielding, J. William.
See Hadley, Lee A.
See Lichtenstein, Louis.
See Lindblom, K.
See Lipscomb, Paul R.
See Norton, Paul L.
See Rogers, William A.
See Southwick, Wayne O.
See Weinberg, Joseph A.
Spine Curvature. *See* Irwin, C. Edwin.
Spine Fusion.
See Allen, Albert R.
See Hallock, Halford.
See Irwin, C. Edwin.
See Lipscomb, Paul R.
See Regen, Eugene M.
See Rogers, William A.
See Southwick, Wayne O.
See Wiltse, L. L.
See Wiltberger, B. R.
Spine Fusion in Young Children. A Long-Term End-Result Study with Particular Reference to Growth Effects. Halford Hallock; Kenneth C. Francis; and James B. Jones 481
Spine, Lumbosacral.
See Brown, Thornton.
See Norton, Paul L.

PAGE

Spine, Thoracic.
See Lindblom, K.
Spine, Tuberculosis of.
See Kondo, Eishi.
See Lichtor, Joseph.
Spinal-Cord Injury.
See Lipscomb, Paul R.*
See Rogers, William A.*
Splint, Thomas. *See* Cleveland, Mather.
Splinting for Congenital Dislocation of the Hip. *See* Ilfeld, Frederic W.
Spondylitis, Rheumatoid. *See* Bickel, William H.
Spongiosa Test. *See* Maatz, Richard.
Sporotrical Synovitis of the Knee, Chronic. Frederick S. Webster and Duane Willander 207
Sporotrichosis. A Report of Twenty-Three Cases in the Upper Extremity. Robert J. Duran; Mark B. Coventry; Lyle A. Weed; and Robert R. Kierland 1330
Sporotrichum schenckii.
See Duran, Robert J.
See Webster, Frederick S.
Spread of Soft-Tissue Sarcomata of the Extremities along Peripheral-Nerve Trunks, The. John R. Barber; Mark B. Coventry; and John R. McDonald 534
Sprengel's Deformity. *See* Blair, John D.
Spurs, Talar and Tibial. *See* O'Donoghue, Don H.
Stabilization, Foot. *See* Straub, Lee Ramsay.*
Stapling, Epiphyseal. *See* Green, William T.
Sterilization of Bone. *See* LoGrippo, Gerald A.
Sternocleidomastoideus, Evolutionary Development of. *See* Lidge, Ralph T.
Sternoclavicular Joints. *See* Stein, Arthur H., Jr.
Sternoclavicular Joint, Anatomy of. *See* Ferry, Allen M.
Stilbamidine. *See* Duran, Robert J.
Stilbamidine Therapy, Reaction to. *See* Webster, Frederick S.
Streptomycin. *See* Allen, Albert R.
Strontium-90. *See* Carlström, Diego G.
Strontium Deposition. *See* Savchuck, William B.
Strontium and Fluoride, Effects of, on the Repair of Unreduced Humeral Fractures in the Adult Rat. William B. Savchuck 140
Study of Disuse Atrophy of Skeletal Muscle in the Rabbit, A. Albert B. Ferguson, Jr.; Laverne Vaughan; and Lawrence Ward 583
Subluxation of the Femoral Head. *See* Urist, Marshall R.
Subluxation of the Sternoclavicular Joint. *See* Ferry, Allen M.
Subluxation, Radio-Ulnar. *See* Hughston, Jack C.

PAGE

Subtalar Extra-Articular Arthrodesis. A Preliminary Report of a Method of Stabilizing Feet in Children. G. Wilbur Westin and Cameron B. Hall 501
Supernumerary Digits. *See* Kelikian H. (I).
Suprasternal Dislocation of the Clavicle. *See* Ferry, Allen M.
Surgical Approaches to the Vertebral Bodies in the Cervical and Lumbar Regions. Wayne O. Southwick and Robert A. Robinson 631
Surgical, Social, and Economic Aspects of a Unit Hand Injury, The. William Metcalf and William Whalen 317
Surgical Excision of Psoas Abscesses Resulting from Spinal Tuberculosis, The. Joseph A. Weinberg 17
Surgical Fracture. *See* Pipkin, Garrett.
Surgical Repair in Recurrent Dislocation of the Ankle Joint. Harold G. Lee 828
Surgical Repair of a Torn Tibial Collateral Ligament of the Knee by Means of the Semitendinosus Tendon (Bosworth Procedure). Report of Twenty-Eight Cases. Richard L. Fenton 304
Survival Rates in Osteogenic Sarcoma. *See* Coventry, Mark B.*
Swan-Neck Deformity. *See* Laine, Veikko A. I.
Swivel for Proximal Radio-Ulnar Synostosis. H. Kelikian and Ara Doumanian 945
Sympathetic Plexus, Vertebral. *See* Hadley, Lee A.
Syndactylism. *See* Kelikian, H. (I).
Synostosis, Radio-Ulnar. *See* Kelikian, H. (Swivel).*
Synostosis, Tarsal. *See* Bersani, Frank A.
Synovial Membrane of Knee. *See* Kelikian, Hampar.
Synovioma. *See* Barber, John R.
Synovitis. *See* Makin, Myer.
Synovitis, Sporotrichal. *See* Webster, Frederick S.

T

Talipes Equinovalgus. *See* Thompson, T. Campbell.*
Talipes Equinovarus, Congenital, A Clinical Evaluation of Operative Procedures for. Raymond F. Kuhlmann and John F. Bell 265
Talipes Equinus. *See* Thompson, T. Campbell.
Talocalcaneal Coalition. *See* Westin, G. Wilbur.
Talus, Exostoses of. *See* O'Donoghue, Don H.*
Tap Test. *See* Schlesinger, Philip T.
Tarsal Fusion. *See* Thompson, T. Campbell.
Tarsal Synostosis, Massive Familial. Frank A. Bersani and Robert L. Samilson 1187
Taylor Back Brace. *See* Norton, Paul L.

PAGE

Technique for Accurate Localization of Vertebrae at Surgery, A. D. Kay Clawson and Don King 668
Technique for Femoral-Shaft Shortening, A. Bruce M. Cameron 1309
Tendinitis Calcarea. *See* Lentino, Walter.
Tendo Achillis. *See* Thompson, T. Campbell.
Tendon-Grafting. *See* Bruner, Julian M.
Tendon-Lengthening. *See* Phelps, Winthrop M.
Tendon Rupture. *See* Laine, Veikko A. I.
Tendon Transfer.
See Fenton, Richard L.
See Lee, Harold G.
Tendon Transplantation.
See Kuhlmann, Raymond F.
See Westin, G. Wilbur.
Tendon Transplantation in the Paralytic Foot, A Clinical Evaluation of. Lee Ramsay Straub 1
Tendons, Hand. *See* Bruner, Julian M.
Tenodesis. *See* Lee, Harold G.
Tenotomy, Adductor-Gracilis. *See* Keats, Sidney.*
Texas Orthopaedic Association 736
Thomas, Hugh Owen. *See* Cleveland, Mather
Thoracic Cage. *See* Nickel, Vernon L. (Elective).
Thoracic Spine. *See* Southwick, Wayne O.
Thoracolumbar Spine. *See* Lichtor, Joseph.
Thorotrast. *See* Schobinger, Robert.
Thromboangiitis Obliterans. *See* Kelly, Patrick J.
Thrombophlebitis. *See* Aufranc, Otto E.
Thumb, Absence of. *See* Kelikian, H. (II).
Thumbnail Deformity. *See* Love, Willard H.
Tibia.
See King, Thomas.
See Kaplan, Emanuel B. (Knee).
See Meyers, Marvin H.
Tibia, Exostoses of. *See* O'Donoghue, Don H.*
Tibia, Fractures of. *See* Brav, Ernest A.
Tibia, Ganglioneuroma of. *See* Wilber, M. C.
Tibia, Osteogenic Sarcoma of, with Pulmonary Metastasis. Report of a Case with Ten-Year Survival. Raphael R. Goldenberg 1191
Tibia Vara. *See* Tobin, William J.*
Tibial Artery, Anterior. *See* Broder, Harold M.
Tibial Bowing. *See* Thompson, T. Campbell.*
Tibial Collateral Ligament of the Knee, Torn, Surgical Repair by Means of the Semitendinosus Tendon (Bosworth Procedure). Report of Twenty-Eight Cases. Richard L. Fenton 304
Tibial Condyle, Depressed Fractures of. *See* Wiltse, L. L.

PAGE

Tibial Marrow Pressure. *See* Stein, Arthur H., Jr.
Tibial Torsion. *See* Kuhlmann, Raymond F.
Tibial Torsion, Eight Cases of Hereditary Bilateral Medial, in Four Generations. Johanna Blumel; G. W. N. Eggers; and E. Burke Evans 1198
Tibialis Anterior.
See Ferguson, Albert B., Jr.
See Straub, Lee Ramsay.
Tibialis Anterior Tendon Transplantation. *See* Kuhlmann, Raymond F.
Tibialis Posterior, Reconstruction of. *See* Fried, Amnon.
Torso-Suspension Walker for Children, A. Caroll M. Silver and Stanley D. Simon 980
Torticollis, Congenital Muscular. Etiology and Pathology. Ralph T. Lidge; Robert C. Bechtol; and Claude N. Lambert 1165
Torticollis, A Device for the Treatment of, in Infants. Vicente Sgandurra 671
Traction, Skin. *See* Stein, Arthur H., Jr.
Traction *Versus* Rest in the Treatment of Hip Disease. Mather Cleveland 661
Tracheostoma. *See* Nickel, Vernon L. (Elective).
Tracheotomy. *See* Nickel, Vernon L. (Reconstructive).
Transfer of Finger. *See* Kelikian, H. (II).
Transfixion Hip Prosthesis, The. Observations Based upon Five Years of Use. Robert K. Lippmann 759
Transplants, Bone. *See* LoGrippo, Gerald A.
Transplantation. *See* Maatz, Richard.*
Transplantation, Tendon.
See Phelps, Winthrop M.*
See Straub, Lee Ramsay.
Trapezius and Sternocleidomastoideus, Embryology of. *See* Lidge, Ralph T.
Traumatic Arteriovenous Aneurysm of the Foot. Harold M. Broder and John H. Caughran 427
Treatment of Grade IV Fracture-Dislocation of the Hip. A Review. Garrett Pipkin. 1027
Triceps Tendon, Rupture of. Kirk J. Anderson and John F. LeCocq 444
Trigger-Finger. *See* Laine, Veikko A. I.
Trimalleolar Fracture. *See* Meyers, Marvin H.
Triplegia. *See* Keats, Sidney.
Tri-State Orthopedic Society 1440
Trochanteric Fracture. *See* Harty, Michael.
True Diastasis of the Sacro-Iliac Joints with Hypermobility. William H. Bickel and Joseph O. Romness 1381
Tuberculosis.
See Hallock, Halford.
See Kondo, Eishi.
See Lichtor, Joseph.
See Ratliff, A. H. C.
See Smyrnis, Panayiotis.

PAGE

See Southwick, Wayne O.
See Weinberg, Joseph A.*

Tuberculosis, Bone and Joint, and Its Indications, End Results of Focal Débridement in. Eishi Kondo and Kengo Yamada 27

Tuberculosis of the Femoral Neck in Childhood. A. H. C. Ratliff 1365

Tuberculosis of the Spine, Paleopathological Evidence Suggesting Pre-Columbian. Joseph Lichtor and Alexander Lichtor 1398

Tumor.
See Arzimanoglu, Anthony.
See Barber, John R.
See Bernstein, Maurice A.
See Campbell, Crawford J.
See Carroll, Robert E.
See Coventry, Mark B.
See Goldenberg, Raphael R.
See Kelikian, Hampar.
See Leao, Luiz.
See Lenson, Norman.
See Porretta, Charles A.
See Regen, Eugene M.
See Tracey, J. F.

Tumor, Giant-Cell. *See* Kelikian, Hampar.

Tumor, Giant-Cell, of Cervical Vertebra with Unusual Symptoms. Report of a Case. Eugene M. Regen 196

Tumors of Bone, Primary Malignant. J. F. Tracey; H. H. Brindley; and R. A. Murray. 554

Turner's Syndrome. *See* Love, Willard H.

U

Ulna.
See King, Thomas.
See Lichtenstein, Louis.

Ulna, Fractures of. *See* Smith, Hugh.

Ulna, Ganglioneuroma of. *See* Wilber, M. C.

Ulnar Deviation.
See Hughston, Jack C.
See Laine, Veikko A. I.

Ulnar Nerve.
See Anderson, Kirk J.
See Zancolli, Eduardo A.

Ulnar Palsy. *See* Crue, Benjamin L.

Ultrasonic Energy and Surgically Produced Defects in Bone. Nicholas I. Ardan, Jr.; Joseph M. Janes; and J. F. Herrick 394

Uncinate Processes. *See* Hadley, Lee A.

Urokon. *See* Schobinger, Robert.

Use of a Prosthesis for the Distal Portion of the Radius Following Resection of a Recurrent Giant-Cell Tumor. Aaron M. Gold 1374

Use of Single Iliac-Bone Graft to Replace Multiple Metacarpal Loss in Dorsal Injuries of the Hand. Julian M. Bruner 43

PAGE

V

Valgus Deformity.
See Harty, Michael.
See Tobin, William J.

Valgus Deformity, Paralytic, of the Ankle. Replacement of the Paralyzed Tibialis Posterior by the Peronaeus Longus. Amnon Fried and Carlos Hendel 921

Variations in Normal Bone-Marrow Pressures. Arthur H. Stein, Jr.; Harry C. Morgan; and Fred C. Reynolds 1129

Vertebrae, A Technique for Accurate Localization of, at Surgery. D. Kay Clawson and Don King 668

Vertebral Artery. *See* Fielding, J. William.

Vertebral Bodies in the Cervical and Lumbar Regions, Surgical Approaches to the. Wayne O. Southwick and Robert A. Robinson 631

Vertebral Bodies. *See* Brown, Thornton.

Vertebral Canal. *See* Rogers, William A.*

Vertebral Lesions, Approaches to. *See* Southwick, Wayno O.*

Vice-Presidential Address. [The American Orthopaedic Association.] Charles LeRoy Lowman 1431

Vital Capacity. *See* Nickel, Vernon L. (Elective).

Vitallium Mold, Dislocation of. *See* Aufranc, Otto E.

W

Walker for Children, A Torso-Suspension. Caroll M. Silver and Stanley D. Simon 980

Wandering Acetabulum.
See Moore, Austin T.
See Nachlas, I. William.

Washington Orthopaedic Club 1226

Water Content of Bone, The. I. The Mass of Water, Inorganic Crystals, Organic Matrix, and "CO_2 Space" Components in a Unit Volume of Dog Bone. Robert A. Robinson and Stuart R. Elliott 167

Webbing of Fingers. *See* Kelikian H. (I).

Webbing of Toes. *See* Thompson, T. Campbell.

Wedge-Compression Fracture of Cervical Vertebra. *See* Rogers, William A.

Whitman Reconstruction. *See* Pipkin, Garrett.

Wound Sepsis. *See* Aufranc, Otto E.

Wrist. *See* Lentino, Walter.

X

Xanthomatosis. *See* Crue, Benjamin L.

Xeroroentgenography and Routine Roentgenography in the Recording of Roentgen Images of Bone Specimens, A Comparative Study of. Crawford J. Campbell; John Roach; and Andres Grisolia 577